Contract

between

Coal India Limited, Kolkata

And

M/s. Komatsu Ltd, Japan

And

M/s. Larsen & Toubro Ltd., Kolkata

For

Supply, Installation and Commissioning of 14 nos. 890HP Crawler Dozers (without ripper attachment) of Komatsu make, Model D475A-5E0 along with Consumable Spares and Consumables for 12 months of warranty period from the date of commissioning of the equipment and thereafter Spares & Consumables for a period of 05 years under Spares Cost Cap

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পশ্চিমবঙ্গ पश्चिम बंगाल WEST BENGAL

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Agreement

THIS AGREEMENT made the 7th day of October, 2025 among Coal India Limited, Coal Bhavan, Premises No. 04, Plot No. AF-III, Action Area 1A, New Town, Rajarhat, Kolkata -700156, India (hereinafter referred to as the "Purchaser" which expression shall unless repugnant to the context or meaning thereof, includes its successors) on the FIRST PART and M/s Komatsu Ltd., 1-2-20, Kaigan, Minato-ku, Tokyo 105-8316, Japan (New Location) / 3-6 Akasaka, 2 Chome, Minato-Ku, Tokyo – 1078414, Japan (Regd Office) (hereinafter referred to as "Manufacturer" which expression shall unless repugnant to the context or meaning thereof, includes its successors and permitted Assigns) on the SECOND PART, represented by Larsen & Toubro Ltd Mining Machinery, 3B, Shakespeare Sarani, P.O.Box 619, Kolkata -700 071, India (authorized Indian agent) (hereinafter referred to as the "Supplier" which expression shall unless repugnant to the context or meaning thereof, includes its successors and permitted Assigns) on the THIRD PART.

WHEREAS the Purchaser invited bids for certain Goods and Ancillary Services viz. Tender No. CIL/C2D/850HP Dozers/R-153/24-25/395 dated 12.06.2024 (Tender ID -2024 CILHQ 310316 1) for the Supply, Installation and Commissioning of 30 nos. of 850HP Crawler Dozers (16 nos with ripper attachment & 14 nos without ripper attachment) along with Consumable Spares and Consumables for 12 months of warranty period from the date of commissioning of the equipment and thereafter Spares and Consumables for a period of 5 years under Spares Cost Cap to the following projects of Coal India Limited (CIL) read with corrigendum published on 14.06.2024, 10.07.2024 and 24.07.2024:

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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Serial No.....

2 2 SEP 2023

2 2 SEP 2025

Licensed Stamp Vendor
Shift Serbar

11, Park Street (Ream No. 14)
Kolketa-//neore No. 14)

2 2 SEP 2025

Coal India limited

Coal Bhawan

Premise NO-04 mar,

Plot NO-At-111

Action Area-1A Newtown

Rajar Hot, Kal
West Bengal-7000156



A. 850HP Dozer With Ripper:

Sl. No	Project and Subsidiary	Qty (Nos.)	Duty
1	Gevra, SECL	3	PCD
2	Gevra, SECL	3	NCD
3	Dipka,SECL	6	NCD
4	Dudhichua NCL	1	NCD
5	Bina – Kakri Amalgamation NCL	1	NCD
6	Jayant, NCL	2	NCD

B. 850HP Dozer Without Ripper:

Sl.	Project and Subsidiary	Qty	Duty
No.		(Nos.)	
1	Gevra, SECL	1	NCD
2	Nigahi, NCL	4	NCD
3	Bina-Kakri Amalgamation, NCL	1	NCD
4	Amlohri, NCL	1	NCD
5	Dudhichua, NCL	2	NCD
6	Krishnashila, NCL	1	NCD
7	Jayant, NCL	4	NCD

WHEREAS the Cover-II (Price-bid) of the Tender No. CIL/C2D/850HP Dozers/R-153/24-25/395 dated 12.06.2024 was opened and Reverse Auction was held on 22.11.2024 and the manufacturer has emerged L1 bidder for the following items of NIT:

-	manuic	acturer has emerged by order for the few ways seems of the					
	NIT	Supply, Installation and Commissioning of 850HP Crawler Dozers without ripper /					
	Item	without ripper along with Consumable Spares and Consumables for 12 months of					
	no.	1 1 C 1 1 1 C 1 1 1 C 2 C 1 1 2 C 2 C 1 C 2 C 2					
		and Consumables for a period of 5 years under Spares Cost Cap.					
	7	850HP Crawler Dozers without ripper for Gevra OCP, SECL, NCD					
	8	850HP Crawler Dozers without ripper for Nigahi OCP, NCL, NCD					
	9	850HP Crawler Dozers without ripper for Bina Khakri Amalgamation OCP, NCL NCD.					
	10	850HP Crawler Dozers without ripper for Amlhori OCP, NCL, NCD.					
	11	850HP Crawler Dozers without ripper for Dudhichua OCP, NCL, NCD.					
	12	850HP Crawler Dozers without ripper for Krishnashila OCP, NCL, NCD.					
¥	13	850HP Crawler Dozers without ripper for Jayant OCP, NCL, NCD.					
١.	1 2 3 1	11					

The purchaser has accepted the Bid No. MEB/CIL/LOB/D475/01 dated 25.07.2024 having Bid ID 1065439 based on the authorisation letter no. CIL/D475/24-25/01 dated 27.06.2024 of the Manufacturer and Power of Attorney issued by the authorised Indian Agent Larsen & Toubro Ltd to Mr. Rajat Chakraborty and the offer to be read with shortfall documents / teters / emails submitted by the authorised Indian agent of manufacturer on e-procurement portal of CIL / e-mail as under:

Your letter no. MEB/D475/Offer validity Xtn/01 dated 09.12.2024

• Your letter no. RC/MEB/D475/01 dated 13.02.2025 and subsequent email 25.02.2025

• Your letter no. MEB/D475/Offer validity Xtn/02 dated 26.02.2025

• Your email dated 05.03.2025

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.202

Your letter no. MEB/D475/Offer validity Xtn/03 dated 31.03.2025

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- Your letter no. RC/MEB/D475/01 dated 04.04.2025
- Your letter no. RC/MEB/D475/02 dated 07.04.2025
- Your letter no. MEB/D475/4th Offer validity Xtn/04 dated 29.04.2025
- Your letter no. MEB/D475/4th offer validity Xtn/05 dated 30.05.2025

Whereas the Manufacturer has agreed sum of JPY 16,88,20,340.00 per equipment (JPY Sixteen Crore Eighty Eight Lakhs Twenty Thousand Three Hundred and Forty Only) (FOB Value) for supply, installation and commissioning of 14 Nos. 890HP Crawler Dozers (Model - D475A-5E0) without Ripper attachment. This works out to Rs.12,34,95,464.39 per equipment (Rupees Twelve Crore Thirty Four Lakhs Ninety Five Thousand Four Hundred and Sixty Four and Paise Thirty Nine Only) on CIP basis in Indian Rupees.

The total value of Consumable Spares & Consumables for 12 Months of warranty period from the date of commissioning of equipment and thereafter spares and consumables for a period of 05 years under Spares Cost Cap for the said equipment shall be as under:

a. For:

NIT Item no.	Project	Qty
7	850HP Crawler Dozers without ripper for Gevra OCP, SECL, NCD	1
9 850HP Crawler Dozers without ripper for Bina Khakri Amalg OCP, NCL NC		1
10	850HP Crawler Dozers without ripper for Amlhori OCP, NCL, NCD	1
12	850HP Crawler Dozers without ripper for Krishnashila OCP, NCL, NCD	1

Description	Value (Rs)
CIP Price of Fleet with GST (1no.)	12,34,95,464.39
Grand Total for spares and consumables for 6 years inclusive of GST for fleet	29,30,85,219.00
Grand Total for equipment and Spares and Consumables for 6 years inclusive of GST per fleet	41,65,80,683.39

b. For:

NIT Item no.	Project	Qty
8	850HP Crawler Dozers without ripper for Nigahi OCP, NCL, NCD	4
	850HP Crawler Dozers without ripper for Jayant OCP, NCL, NCD	4

4 / / · ·	Description	1	Value (Rs)
	CIP Price of Fleet with GST (4 nos.)	X	49.53 9 98es 857.54
Grand Total fo	r spares and consumables for 6 years inclusive of GST for fleet	1	17,23,40,87,6.00
Grand Total for	equipment and Spares and Consumables for 6 years inclusive of GST per fleet	1	,66,63,22,733.54

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c. For Item 11 - 850HP Crawler Dozers without ripper for Dudhichua OCP, NCL, NCD (2 nos)

Description	Value (Rs)
CIP Price of Fleet with GST (2 nos.)	24,69,90,928.77
Grand Total for spares and consumables for 6 years inclusive of GST for fleet	58,61,70,438.00
Grand Total for equipment and Spares and Consumables for 6 years inclusive of GST per fleet	83,31,61,366.77

The grand total value for award of the Contract including GST for all the six projects shall be Rs.5,83,21,29,567.41 (Rupees Five Hundred and Eighty-Three Crore Twenty-One Lakhs Twenty-Nine Thousand Five Hundred and Sixty-Seven and Paisa Forty-One only) on CIP basis (hereinafter "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- 1. In this Agreement, words and expressions, shall have the same meaning as are respectively assigned to them in the conditions of contract referred to.
- 2. The following documents shall be deemed to form and be read and construed as part of this Agreement viz.
 - a. The Techno-Commercial Bid and Price-bid and subsequent letters / documents submitted by you as mentioned above.
 - b. The General Conditions of Contract (GCC)
 - c. The Special Conditions of Contract (SCC)
 - d. The Schedule of Requirements (SoR) including Delivery Schedule
 - e. The Technical Specifications
 - f. The Price Schedule
 - g. The Purchaser's Notification of Award (NoA)
 - h. The Integrity Pact (IP)
 - In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in all respects in conformity with the provisions of the Contract.
 - The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

Particulars of the Equipment to be supplied under this contract to each project in the Price Schedule.

6. The Contract Price:

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Three Crore Twenty-One Lakhs Twenty-Nine Thousand Five Hundred and Sixty-Seven and Paisa Forty-One only) on CIP basis calculated as per the exchange rate of 1JPY=Rs.0.5523 on the date of opening of price bid i.e. 22.11.2024 and applicable statutory Customs Duty, GST and other taxes and levies based on the offer dated 25.07.2024 of the Supplier.

7. Price Basis

The contract is on CIP Basis (Final Place of destination) for Equipment and on FOR Destination basis for spares and consumables to be supplied during warranty period and thereafter during 05 years from the date of commissioning under Spares Cost Cap.

8. Statutory Duties, Taxes and Other Levies

Statutory Duties, Taxes and Other Levies like Basic Customs Duty (BCD) under PCD / NCD, Social Welfare Surcharge on Basic Customs Duty, IGST, GST on Marine Freight, GST on Indian Agency Commission, GST on Port Charges, Clearing, forwarding and incidental charges, GST on Inland Transportation Charges & GST on Inland Insurance charges for delivery upto Final Place of Destination, GST on Erection and Commissioning charges, GST on all items sourced in INR required for fitting in the equipment during commissioning of the equipment, GST on spares and consumables for 06 years of operation as indicated in the Price Schedule, based on your offer dated 25.07.2024, shall be payable.

If there is any statutory change in the above elements within the contractual delivery period, the same shall be admissible and will be paid based on documentary evidence. However, no upward revision in the rates of the above duties, taxes and other levies beyond original delivery period shall be admissible unless the delay is due to any lapse on the part of the purchaser.

CIL will pay Customs Duty applicable to imported Goods directly to Customs Authorities in accordance with the conditions of contract.

9. Agency Commission

Indian Agency Commission @ 5.00% (Five percent) of FOB value of the equipment is included in the FOB price of the equipment mentioned in the Contract. Indian Agency commission along with GST as legally leviable in India shall be payable by the Purchaser (respective subsidiary Companies i.e. SECL/NCL) to M/s. L&T Ltd. in INR. The total value of the Indian Agency Commission per equipment to be paid in INR shall be equivalent of JPY 80,39,063.81 (JPY Eighty Lakhs Thirty nine Thousand and Sixty Three and Sen Eighty One Only) exclusive of applicable GST @ 18%.

10. Execution of Contract

The contract is concluded among the Purchaser, the Manufacturer and the Supplier for supply, installation and commissioning of 14 no. of 890HP Crawler Dozer (Model - D475A-5E0) without Ripper attachment along with Consumable Spares & Consumables

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for 12 months of warranty period from the date of commissioning of the equipment and thereafter Spares and Consumables for a period of 05 years under Spares Cost Cap.

The Equipment shall be supplied by the Manufacturer - M/s Komatsu Ltd., 1-2-20, Kaigan, Minato-ku, Tokyo 105-8316, Japan (New Location) / 3-6 Akasaka, 2 Chome, Minato-Ku, Tokyo – 1078414, Japan (Regd Office) / 3-1-1 Ueno, Hirakata-shi, Osaka 573-1011, Japan (Factory Address) & Erection and commissioning shall be done by M/s Larsen & Toubro Ltd.

The items sourced in INR required for fitting in the equipment during erection and commissioning of the equipment, Consumable Spares and Consumables for 12 months of warranty period and thereafter Spares and Consumables for a period of 05 years of operation will be supplied by M/s Larsen & Toubro Ltd. in INR.

A Letter of Credit shall be established by SECL/NCL on M/s Komatsu Ltd., 1-2-20, Kaigan, Minato-ku, Tokyo 105-8316 for the net CIF Amount for Equipment after deducting Indian Agency Commission for Equipment in JPY for a total value of **JPY16,29,60,937.00** (JPY Sixteen Crore Twenty Nine Lakhs Sixty Thousand Nine Hundred and Thirty Seven Only) per equipment. Payment for foreign currency, INR, Indian Agency Commission and Customs Duty etc. shall be made as per provisions contained in SCC of the Contract.

IN WITNESS whereof the Parties hereto have caused this Agreement to be executed the day and year first above written.

Signed, sealed and Delivered by:

For the Purchaser

S M Alli

Executive Director(MM)
Coal India Ltd, Kolkata

Witnesses

Avinash Kumar

General Manager (MM) Coal India Ltd, Kolkata For the Manufacturer

Kazuma Nakanishi

General Manager – India Group

Komatsu Ltd, Japan

J Lokesh

Assistant General Manager -

Mining Marketing

Komatsu India Private Limited,

Bangalore

For the Supplier

Rajat Chakraborty

DGM-Mining Equipment Business-

Kolkata

Larsen & Toubro Ltd Mining Machinery

Rahul Mehta

GM Mining Equipment Business-

Bangalore

Larsen & Toubro Ltd Mining Machinery

P.Kuldeep

Senior Manager (MM) Coal India Ltd, Kolkata











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Melly

The Asian Business CE Marketing Division

Title The

1. **Definitions**

In the interpretation of the contract and the general and special conditions governing it, unless the context otherwise requires, the following terms shall be interpreted as indicated below:

- "The Contract" means the agreement entered into between the Purchaser and the Supplier including all attachments and appendices thereto and all documents incorporated by reference therein including Invitation to tender, Instructions to tenderers, Acceptance of tender, Particulars and the General and Special Conditions specified in the acceptance of tender;
- "Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations;
- "Goods" means all of the equipment, plant, machinery, and/or other materials which the Supplier is required to supply to the Purchaser under the Contract;
- "Services" means those Services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental Services, such as installation, commissioning, provision of technical assistance, training and other such obligations of the Supplier covered under the Contract;
- e) "GCC" means the Conditions of Contract contained in this section;
- "SCC" means the Special Conditions of Contract; f)
- "Purchaser" means the organization purchasing goods and services, i.e., Coal India Limited or its subsidiaries or areas falling under various subsidiaries of Coal India Limited:
- "Purchaser's country" is India; h)
- "Supplier/Contractor" means the individual, firm or company with whom the contract has been concluded for supplying the Goods and Services under the Contract. The Supplier/Contractor shall be deemed to include its successors (approved by the purchaser), representatives, heirs, executors, administrators and permitted;
- "CIL" means Coal India Limited or the Subsidiary Company of CIL or areas falling j) under various subsidiaries of CIL where Goods are deployed/used;
- k) "Year" means the Calendar Year.
- "Chairman" means the Chairman of Coal India Limited. I)
- "Chairman-cum-Managing Director" means Chairman-cum-Managing Director of any the Subsidiary Companies of Coal India Limited, presently Central Coalfields Limited. Eastern Coalfields Limited, Western Coalfields Limited, Bharat Coking Coal Limited, Central Mine Planning & Design Institute Limited, South Eastern Coalfields Limited, Northern Coalfields Limited and Mahanadi Coalfields Limited.
- "Drawing" means the drawing and plans specified in or annexed to the schedule or specifications.
- "Inspector" means any person nominated by or on behalf of the purchaser to inspect ats 0) supplies, stores or work under the contract or his duly authorized agent.
- "Progress Officer" means any person nominated by or on behalf of the Purchaser to visite Marketing Division supplier's works to ascertain position of deliveries of Goods ordered.
- "Materials" shall mean anything used in the manufacture or fabrication of the stores.
- "Stores" means the goods specified in the Supply Order or schedule which the

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- supplier/contractor has agreed to supply under contract.
- "Test" means such test or tests as are prescribed by the specifications or considered S) necessary by the Inspector or any agency acting under direction of the Inspector.
- "Site" mean the place or places named in the "Supply Order" or such other place or places t) at which any work has to be carried out as may be approved by the purchaser.
- Words denoting the persons shall include any company or association or body of individuals whether incorporated or not.
- V) Words in singular include the plural and vice-versa.
- Words denoting the masculine gender shall be taken to include the feminine gender.
- "Writing" shall include any manuscript, typewritten or printed statement under or over signature or seal as the case may be.
- "Unit" and "Quantity" means the unit and quantity specified in the schedule.
- "Purchase Order" or "Supply Order" or "Order" or "Contract" means an order for supply of stores and includes an order for performance. The terms "Supply Order", "Purchase Order", "Order" and "Contract" are interchangeable.
- aa) "Particulars" shall mean the following:
 - i) Specifications;
 - ii) Drawing;
 - Sealed pattern denoting a pattern sealed and signed by the Inspector; iii)
 - Certified or sealed sample denoting a copy of the sealed pattern or sample sealed iv) by the purchaser for guidance of the Inspector;
 - Trade pattern denoting a standard of the ISI or other standardizing authority or V) Coal India Ltd. and/ or any of its subsidiary companies or a general standard of the industry and obtainable in the open market;
 - Proprietary make denoting the product of an individual manufacturer; vi)
 - Any other details governing the construction, manufacture and/or supply as vii) existing in the contract.
- bb) Terms and expressions not defined herein shall have the meanings assigned to them in the Indian Sale of Goods Act, 1930 or the Indian Contract, 1872 or the General Clauses Act, 1897, as amended, as the case may be.

2.

These Conditions shall apply to the extent that they are not superseded by provisions in other parts of the Contract.

3. Standards

The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications. Such standards shall be the latest issued by the concerned institution.

4. Use of Contract Documents and Information

The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Purchaser in connection therewith, to any person otherthan a person employed by the Supplier in the performance of the Contract. Disclosure to applications employed person shall be made in confidence and shall extend only so far as may be recessary for purposes of such performance.

The Supplier shall not, without the Purchaser's prior written consent, make use of any document or information enumerated in sub-clause 4.1 above, except for purposes of performing the

Any document, other than the Contract itself, enumerated in sub-clause 4.1 above shall remain 4.3

4.1

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the property of the Purchaser and shall be returned (in all copies) to the Purchaser on completion of the Supplier's performance under the Contract if so required by the Purchaser.

5. Patent Rights

The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods or any part thereof in the Purchaser's country.

- 6. Security Deposit refer clause no.1 of SCC
- 7. Performance Bank Guarantee
- 7 1 Wherever applicable, the Supplier shall be required to furnish a Performance Guarantee equivalent to 10% value of the total landed value of the contract including all taxes, duties and other costs and charges. In case of Contracts for procurement of Capital Goods along with Warranty Spares & Consumables (if applicable) and additional Spares & Consumables / AMC / CMC for more than one year, the Performance Guarantee shall be for 10% of equipment landed value along with maximum annual landed value of Spares & Consumables.
- 7.2 The Performance Guarantee shall be in the form of a Bank Guarantee issued by a RBI scheduled bank in India in the prescribed format on a non-judicial stamp paper.
- 7.3 The Performance Bank Guarantee (PBG) shall be in the same currency (ies) in which contract has been signed. In case of multi-currency contract, separate PBG in respective currency for required value shall be submitted.
- 7.4 If the contract is for procurement of equipment, the PBG (s) may be submitted equipment wise also. For this purpose, the value of each equipment will be worked out by dividing the total value of contract for a particular item of NIT, worked out as per provisions contained in clause-7 above, by the number of equipment ordered for that particular item of the NIT.
- 7.5 The PBG (s) shall remain valid till 3 months after the completion of warranty period.
- 7.6 The PBG shall be submit: d sufficiently in advance (say 3-4 weeks) to enable its verification from the issuing bank, before submission of the invoice for 80% payment of the particular goods/equipment(s).
- 7.7 The release of the Performance Bank guarantee(s) after above indicated period, shall be subject to satisfactory performance of the equipment/ items during the warranty period and fulfillment of contractual obligations failing which, action for further extension or encashment of PBG, as deemed suitable shall be taken. The PBG / converted SDBG shall be released with the approval of HOD (MM) of the concerned subsidiary after expiry of validity period upon receipt of:
 - a) 'No Claim Certificate' from the HOD of User department; and
 - b) 'No Claim / Dispute Certificate' from the Supplier as per format provided as Annexure-16.
- In case of procurement of equipment, if the successful tenderer which does not have the After Sales Service Support facilities in India like Depot/ Warehouse for supply of spare parts, Workshop facilities for servicing and repair of assemblies, sub-assemblies and equipment, availability of trained technical manpower etc., training facilities for providing training to CIL's personnel, wherever required, additional Performance Bank Guarantee for the 30% value of the total landed value of the contract including all taxes, duties and other costs and charges shall have to be submitted. This 30% PBG will be released after establishment of After Sales Service Support facilities in India subject to confirmation of the same by concerned Head of Technical Department. However, the supplier shall have to submit PBG for 10% of the total contract value he Asian Business to be kept valid for the remaining period of the contract plus 3 months processing period before release of 30% PBG. This 10% PBG will be released after satisfactory performance of all

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CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

equipment/ items and fulfillment of contractual obligations including warranty obligations.

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7.9 The PBG will be submitted through Structured Financial Management System (SFMS).

8. **Inspections and Tests**

- 81 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract Specifications at no extra cost to the Purchaser. Generally, the Goods shall be of the best quality and workmanship and comply with the contract or supply order in all respect. The Technical Specifications shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing, of the identity of the inspector(s). The Purchaser reserves the right, at the Purchaser's cost, to depute its own inspector(s) and/or to engage any other third party inspecting agency, to conduct inspections and tests pursuant to the Contract. Sufficient time, at least 30 days in advance will be given for inspection.
- 82 The inspections and tests may be conducted on the premises of the Supplier, at point of delivery and/or at the Goods' final destination. If conducted on the premises of the Supplier, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser. However, any drawing and proprietary information provided for this purpose shall remain in control of the supplier. The inspector shall have full and free access at the supplier's works for the purpose of carrying out inspection. The Inspector shall have the right to put all the stores or materials forming part of the same or any part thereof to such tests as he may think fit and proper. The supplier shall not be entitled to object, on any ground whatsoever, to the method of testing adopted by the Inspector. Unless otherwise provided for in the contract, all stores/materials expended in test will be to supplier's account. In the event of Goods found acceptable by the Inspector during inspection, he shall furnish the supplier with necessary copies of Inspection notes for attaching to the supplier's bill.
- 83 Should any inspected or tested Goods fail to conform to the Specifications, including acceptance tests and periodic tests to verify guaranteed performance, the Purchaser may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet Specification requirements free of cost to the Purchaser within thirty days of such rejection. Replaced or altered goods shall be subjected to repeated inspection or tests to demonstrate conformity with the Specifications. In the event that replacement or alteration is not done within thirty day period as aforesaid, or, replaced or altered goods fail to demonstrate conformity with the Specifications in repeated inspections or tests as aforesaid, the Purchaser reserves the right to terminate the Contract in part or in whole and the Supplier shall repay forthwith to the Purchaser all monies paid including all costs incurred in the inspection and tests, in respect of Goods and Services associated therewith, for which the termination is applicable and, subsequently remove the same from the Purchaser's Site at the Supplier's cost.
 - Any Goods rejected at a place other than the premises of the supplier, shall be removed by the supplier within 14 days of the date of receipt of intimation of such rejection. The Inspector may call upon the supplier to remove what he considers to be dangerous, infected or perishable Goods, within 48 hours of the receipt of such intimation. The rejected stores shall under all circumstances lie at the risk of the supplier from the moment of rejection and if such stores are not removed by the supplier within the above mentioned period, the Inspector/Purchaser may either return the same to the supplier at the supplier's risk and cost (a public tariff rate) by such mode of transport as the Purchaser or Inspector may select or dispose of such stores at the supplier's risk an his account and retain in such portion of the proceeds as may be necessary to cover any expense incurred in connection with such disposal. The purchaser shall also be entitled to recov er handling and storage charges for the period during which the rejected stores are not removed.

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- The Purchaser's right to inspect, test and where necessary, reject the Goods after the Goods' arrival in the Purchaser's country shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods' shipment from the Supplier's premises.
- 86 Nothing in this clause shall in any way relieve the Supplier of any warranty or other obligations under this Contract.

9. Packing and Marking

- 9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 All packing cases, containers, packing and other similar materials shall be supplied free by the Supplier and these shall not be returned unless otherwise specified in the Contract/Purchase order.
- 9.3 The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in the contract and in any subsequent instructions ordered by the Purchaser. Packages will be stamped with identification marks both outside the packages as well as on the contents inside. Packages containing articles liable to be broken by rough handling like glass or machinery made of cast iron will be marked with cautionary works like 'Fragile' 'Handle with care'.
- 9.4 The marking of the Goods must comply with the requirements of the law relating to Merchandise Mark, in force in India.
- 9.5 Packing instructions: The Supplier will be required to make separate packages for each consignee. Each package will be marked on three sides with proper paint with the following:
 - i. Project;
 - ii. Contract No;
 - iii. Country of origin of Goods;
 - iv. Supplier's name;
 - v. Packing list Reference Number;
 - vi. The gross weight, net weight and cubic measurement;
 - vii. Consignee Name and Address;
- 9.6 A complete list of contents in each package called the packing list will be prepared and one copy of the packing list shall be inserted inside the package.

10. Delivery and Documents

- 10.1 The delivery period stipulated in the Contract/Purchase Order shall be deemed to be the essence of the contract and delivery of the Goods must be completed within the specified period.
- Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The delivery of Goods shall be deemed to take place on delivery of the Goods in accordance with the terms of the contract after approval of Goods by the Inspector.
- O.3 For purposes of the Contract, "EXW", "FOB", "FCA", "CFR", "CIF", "CIP" and other trade terms are used to describe the obligations of the Parties shall have the meanings assigned to them by the prevailing edition of Incoterms on the date of tender opening, published by the International

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Chamber of Commerce, Paris.

10.4 The details of shipping documents to be furnished by the Supplier are specified below:

(a) For Imported Goods:

Within forty eight (48) hours of shipment, the Supplier shall notify the Purchaser, Port Consignee and Ultimate Consignee by fax and email, full details of the shipment including Contract number, description of Goods, quantity, the vessel, the bill of lading number and date, port of loading, date of shipment, port of discharge, etc. The Supplier shall deliver by express courier service the following documents to the Purchaser, with a copy to the Port Consignee and Ultimate Consignee:

- i Supplier's shipping invoice showing Contract Number, Goods description, quantity, unit price, total amount and GST number of ultimate consignee;
- ii. Clean on-board bill of lading indicating the Importer-Exporter Code (IEC) of the concerned Subsidiary Company of CIL and non-negotiable bill of lading;
- iii. Packing list identifying contents of each package;
- iv. Manufacturer's/Supplier's warranty /guarantee certificate;
- v. Manufacturer's Test & Inspection certificate;
- vi. Certificate of Country of Origin issued by the Chamber of Commerce of Manufacturer's Country;
- vii. Documentary evidence of marine freight & marine insurance.

The above documents shall be sent by supplier well in advance, so that the same are received by the Purchaser at least one (1) week before arrival of the Goods at the port or place of arrival and, if not received, the Supplier will be responsible for any consequent expenses.

(b) For Domestic Goods from within India:

Upon dispatch of the Goods to the consignee, the Supplier shall notify the Purchaser and Ultimate Consignee and deliver by express courier service the following documents to the Purchaser with a copy to the Ultimate Consignee:

- i Supplier's invoice showing Contract Number, Goods description, quantity, unit price, total amount;
- ii. Railway receipt/ Transporter's consignment note /acknowledgement of receipt of Goods from the consignee(s);
- iii. Manufacturer's/Supplier's warranty / guarantee certificate;
- iv. Manufacturer's Test & Inspection certificate;

The above documents shall be provided by the supplier at the time of arrival of the Goods at the consignee's end. In case of delay, the Supplier will be responsible for any consequent expenses.

11. Insurance

11.1

Wherever necessary, the goods supplied under the contract, shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, delivery, storage and erection and commissioning at site (wherever applicable) in the manner specified in the contract. The insurance is to be done for coverage on "all risks" basis including war risks and strike clauses. The amount to be covered under insurance should be from of the invoice value to take care of the overall expenditure to be incurred by the purchaser for receiving the goods at the destination.

11.2 Where delivery of imported goods is required by the purchaser on CIF/CIP basis, the supplier

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- shall arrange and pay for marine/air insurance, making the purchaser as the beneficiary. Where delivery is on FCA/ FOB/ CFR basis, marine/air insurance shall be the responsibility of the purchaser.
- 11.3 In case of domestic supplies on Free Delivery at site/FOR Destination basis, the supplier has to arrange insurance at its cost. For Ex-works and FOR station of dispatch contracts, it is the responsibility of the purchaser to arrange for insurance.
- 11.4 Where the delivery of the Goods is on CIP Basis, the supplier shall deliver the goods at the named place of destination at its own risks and costs. CIL has no obligation to the supplier for arranging insurance. However, CIL will provide the supplier upon request, with necessary information for obtaining insurance.
- 11.5 Where the delivery of the Goods is on FOR destination Basis, the supplier shall deliver the goods at the FOR destination site at its own risks and costs. CIL has no obligation to the supplier for arranging insurance. However, CIL will provide the supplier upon request, with necessary information for obtaining insurance".

12. Transportation

- 12.1 In case of FOB (Port of Shipment) contracts, the purchaser has to arrange transportation its own cost and risk.
- 12.2 In case of CIF (Port of Destination) contracts, transport of the goods to the port of destination in the Purchaser's country, as shall be specified in the contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price. In case of inland transportation of goods, the same is to be done through registered common carriers only.
- 12.3 In case of CIP (Final Place of Destination) contracts, transport of the goods to the port of destination and further to the named place of Final Destination in the Purchaser's country, as shall be specified in the contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price. In case of inland transportation of goods, the same is to be done through registered common carriers only.
- 12.4 In case of FOR Destination contracts, transport of goods to the Destination site shall be arranged and paid for by the supplier and the cost thereof shall be included in the contract price. Transportation of goods is to be done through registered common carriers only.

13. Warranty

13.3

13.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect arising from design, materials or workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied Goods in the conditions prevailing in the purchaser's country.

13.2 This warranty shall remain valid for twelve (12) months from the date of Commissioning of the equipment. However, in case of other Goods, warranty shall remain valid for eighteen (18) months from the date of receipt and acceptance of materials at consignee's end or twelve (12) months from the date of its use / fitment / commissioning, whichever is earlier.

The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty. The Supplier shall, within thirty days, repair or replace the defective Goods or patterned thereof, free of cost at the ultimate destination. The Supplier shall take over the replaced parts/Goods at the time of their replacement. No claim whatsoever shall lie on the Purchaser for the replaced parts/Goods thereafter.

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- 13.4 If the Supplier, having been notified, fails to remedy the defect(s) within thirty days, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.
- 13.5 For the goods whose life is less than twelve (12) months, the warranty period will depend on the nature of the item under procurement and shall accordingly be specified in SCC.

14. Payment

- 14.1 Specific payment terms may be stipulated in the NIT and the resultant contracts depending on the nature of goods to be procured, as per provisions contained in Chapter-22.
- 14.2 Payment for Indian Agency Commission SCC Clause 8.4

15. Changes in Order

The Purchaser may at any time, by a written order given to the Supplier, make changes within the general scope of the Contract in any one or more of the following:

- a) drawings, designs or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
- b) the method of shipment or packing;
- c) the place of delivery; and/or
- d) the place of Services to be provided by the Supplier.

16. Contract Amendments

Subject to relevant clause of GCC, no variation in or modification of the terms of the Contract/ Purchase Order shall be made except by written amendment issued against the Contract/ Purchase Order.

17. Assignment

The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Purchaser's prior written consent. However, the consent of the Purchaser shall not relieve the supplier from any obligation, duty or responsibility under the contract.

18. Subcontracts

The Supplier shall notify the Purchaser in writing of all subcontracts awarded by it to discharge the works under this Contract. Such notification, in the original bid or later, shall not relieve the Supplier of any liability or obligation under the Contract and the supplier will be solely responsible for all obligations under the contract.

19. Delays in the Supplier's Performance

19.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Purchaser in the Schedule of Requirements.

If at any time during performance of the Contract, the Supplier or its Subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, by way of an by amendment to the Contract/ Purchase Order materials as provided under Force Majeure clause, a delay by the Supplier in the performance of the delivery obligations shall render the Supplier liable to the imposition of liquidated damages.

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20. Liquidated Damages

- 20.1 In the event of failure to deliver or dispatch the equipment/stores within the stipulated date/period in accordance with the terms and conditions and the specifications mentioned in the supply order and in the event of breach of any of the terms and conditions mentioned in the supply order, the Purchaser shall have the right:
 - (a) To recover from the successful bidder as agreed liquidated damages, a sum not less than 0.5% (Half Percent) of the price of any equipment/ stores which the successful tenderer has not been able to supply as aforesaid for each week or part of a week during which the delivery of such stores may be in arrears limited to 10% (Ten Percent) of the total contract value, or
 - (b) To purchase elsewhere after due notice to the successful tenderer on the account and at the risk of the defaulting supplier, the equipment/stores not supplied or others of similar description without cancelling the supply order in respect of the consignment not yet due for supply, or
 - (c) To cancel the supply order or a portion thereof, and if so desired to purchase the equipment/ stores at the risk and cost of the defaulting supplier and also,
 - (d) To extend the period of delivery with or without penalty as may be considered fit and proper. The penalty, if imposed, shall not be more than the agreed liquidated damages referred to in clause (a) above.
 - (e) To forfeit the security deposit fully or in part.
 - (f) Whenever under this contract any sum of money is recoverable from and payable by the supplier, the Purchaser shall be entitled to recover such sum by appropriating in part or in whole by deducting any sum or which at any time thereafter may become due to the successful tenderer in this or any other contract. If this sum is notsufficient to recover the full amount recoverable, the successful tenderer shall pay the Purchaser the remaining balance on demand. The supplier shall not be entitled to any gain on any such purchase.
- 20.2 For the purpose of the calculation of the liquidated damages amount, the basic FOR Destination price shall be considered. For direct imports, the CIP price at Final Place of destination will be considered. Taxes and duties shall not be taken into account for calculation of LD. However, when prices indicated in the order are inclusive of taxes and duties, such prices will be taken for calculation of LD.

21. Termination for Default and breach of contract

- 21.1 The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:
 - (a) If the supplier fails to deliver any or all of the stores within the time period(s) specified in the contract, or any extension thereof granted by the Purchaser; or
 - (b) If the supplier fails to perform any other obligation under the contract within the period specified in the contract or any extension thereof granted by the purchaser; or
 - (c) If the Supplier, in the judgment of the Purchaser, has violated Code of Integrity for Public Procurement in competing for or in executing the Contract.

1.2 Code of Integrity for Public Procurement (CIPP):

The supplier shall observe the highest standard of ethics while competing for and during execution of contracts.

The following practices would amount to violation of CIPP:

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- i. "Corrupt Practice" means making offers, solicitation or acceptance of bribe, rewards or gifts or any material benefit, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process or contract execution;
- ii. "Fraudulent Practice" means any omission or misrepresentation that may mislead or attempt to mislead so that financial or other benefits may be obtained or an obligation avoided. This includes making false declaration or providing false information for participation in a tender process or to secure a contract or in the execution of a contract;
- iii. "Anti-competitive Practice" means any collusion, bid rigging or anti-competitive arrangement, or any other practice coming under the purview of The Competition Act 2002, between two or more bidders, with or without the knowledge of the Purchaser, that may impair the transparency, fairness and the progress of the procurement process or to establish bid prices at artificial, non-competitive levels;
- iv. "Coercive Practice" means harming or threatening to harm, directly or indirectly, at any stage, persons or their property to influence their participation in the procurement process or affect the execution of a contract;
- v. "Conflict of interest" means participation by a bidding firm or any of its affiliates that are either involved in the consultancy contract to which this procurement is linked; or if they are part of more than one bid in the procurement; or if the bidding firm or their personnel have relationships or financial or business transactions with any official of Procuring Entity who are directly or indirectly related to tender or execution process of contract; or improper use of information obtained by the (prospective) bidder from the Procuring Entity with an intent to gain unfair advantage in the procurement process or for personal gain; and
- vi. "Obstructive practice" means materially impede the Procuring Entity's investigation into allegations of one or more of the above mentioned prohibited practices either by deliberately destroying, falsifying, altering; or by concealing of evidence material to the investigation; or by making false statements to investigators and/or by threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or by impeding the Procuring Entity's rights of audit or access to information.

22. Force Majeure

- 22.1 Force Majeure means an event beyond the control of the supplier and not involving the supplier's fault or negligence and which is not foreseeable. Such events may include, but are not restricted to, acts of the purchaser either in its sovereign or contractual capacity, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics quarantine restrictions, strikes, lockouts, freight embargoes and act of God.
- 22.2 If there is delay in performance or other failures by the supplier to perform its obligation under the contract due to an event of a Force Majeure and the contract is governed by Force Majeure Clause, the supplier shall not be held responsible for such delays/failures.
 - In such a situation, the supplier shall promptly notify the purchaser in writing of such conditions and the cause thereof, duly certified by the local Chamber of Commerce or Statutory authorities, the beginning and end of the causes of the delay, within twenty one days of occurrence and cessation of such Force Majeure Conditions. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as fatness of the causes of the delay, within twenty one days of occurrence and cessation of such Force Majeure Conditions. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as fatness of the cause of the delay, within twenty one days of occurrence and cessation of such Force Majeure Conditions.
- 22.4 If the performance in whole or in part or any obligation under this contract is prevented or delayed

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- by any reason of Force Majeure for a period exceeding sixty days, either party may at its option terminate the contract without any financial repercussion on either side.
- 22.5 For delays arising out of Force Majeure, the supplier will not claim extension in completion date for a period exceeding the period of delay attributable to the causes of Force Majeure.
- There may be a Force Majeure situation affecting the purchaser also. In such a situation, the purchaser is to take up with the supplier on similar lines as above for further necessary action.
- 22.7 The contract shall be governed by the following Force Majeure Clause:

"If at any time, during the continuance of this contract, the performance in whole or in part by either party of any obligation under this contract shall be prevented or delayed by reason of any wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts, freight embargoes or act of God (hereinafter referred to "events") provided, notice of the happening of any such event is given by either party to the other within 21 days from the date of occurrence thereof, neither party shall by reason of such event, be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non- performance or delay in performance, and deliveries under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist, PROVIDED FURTHER that if the performance in whole or part or any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days, either party may at its option terminate the contract provided also that if the contract is terminated under this clause, the purchaser shall be at liberty to take over from the contractor at a price to be fixed by the CIL/Subsidiary Company, which shall be final, all unused, undamaged and acceptable materials, bought out components and stores in course of manufacture in the possession of the contractor at the time of such termination or such portion thereof as the purchaser may deem fit excepting such materials, bought out components and stores as the contractor may with the concurrence of the purchaser elect to retain."

23. **Termination for Insolvency**

The Purchaser may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accruethereafter to the Purchaser.

24. **Termination for Convenience**

- 24.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- 242 The Goods that are complete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
 - a) to have any portion completed and delivered at the Contract terms and prices; and/or
 - to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier.

Governing Language

The Contract shall be written in English language. All correspondence and other documents language in the contract shall be written in English language. pertaining to the Contract which are exchanged by the Parties shall be written in the same language.

26. **Taxes and Duties**

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- 26.1 A foreign Supplier shall be entirely responsible for all taxes, duties, license fees and other such levies imposed outside the Purchaser's country. The foreign supplier shall also be responsible for all taxes & duties in Purchaser's country legally applicable during execution of the contract other than those which are to be paid by purchaser, as specified in as per relevant clause of NIT.
- 26.2 A Domestic Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until the execution of the contract, other than those which are to be paid by purchaser, as specified in as per relevant clause of NIT.

27. Limitation of Liabilities

Except in cases of criminal negligence or wilful misconduct;

- 27.1 Notwithstanding anything herein to the contrary, no party shall be liable for any indirect, special, punitive, consequential or exemplary damages, whether foreseeable or not, arising out of or in relation to this contract, loss of goodwill or profits, lost business however characterized, any/ or from any other remote cause whatsoever.
- The supplier shall not be liable to the purchaser for any losses, claims, damages, costs or expenses whatsoever arising out of or in connection with this contract in excess of the contract value of the goods and services supplied hereunder which caused such losses, claims, damages, costs or expenses.
- However, the limitation of liability of the supplier indicated above shall not apply to Liquidated damages.

28. Dispute Resolution:

- 28.1 Settlement of commercial disputes in case of contracts with Public Sector Enterprises/ Govt. Dept.(s) Not Applicable.
- 28.2 In case of contract with parties other than above Agencies, the following Arbitration & Conciliation Clause and Sole Arbitration Clause shall be incorporated in the contract:

"Arbitration & Conciliation:

In the event of any dispute or difference relating to the interpretation and application of the provisions of the contract, such dispute or difference shall be taken up by either party for conciliation first. The party initiating conciliation shall send a written invitation to the other party to conciliate, and proceedings shall commence when the other party accepts the initiations to conciliation. There shall be only one conciliator who would be appointed by Chairman, CIL/CMD of Subsidiary Company (as the case may be) as the conciliator. The conciliation shall assist the parties to reach an amicable settlement of their dispute. When the parties sign the settlement agreement, it shall be final and binding on the parties. The conciliator shall authenticate the settlement agreement and furnish a copy thereof to each party.

If differences still persist, the settlement of the dispute shall be resolved through arbitration. The party initiating arbitration shall send a written notice to the other party of its intention to commence arbitration. The applicable arbitration procedure will be as per the Arbitration and Conciliation Act, 1996 as amended by Amendment Act of 2015."

"Sole Arbitration Clause:

In the event of any question, dispute or difference arising under these terms & conditions or any condition contained in this contract or interpretation of the terms of, or in connection with this Contract (except as to any matter the decision of which is specially provided for by these conditions), the same shall be referred to the sole arbitration of a person, appointed to be the arbitrator by the Chairman, CIL/CMD of Subsidiary Company

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(as the case may be). The award of the arbitrator shall be final and binding on the parties of this Contract.

Note:

a. In the event of the Arbitrator dying, neglecting or refusing to act or resigning or being unable to act for any reason, or his/her award being set aside by the court for any reason, it shall be lawful for the Chairman, CIL / CMD of Subsidiary Company (as the case may be) to appoint another arbitrator in place of the outgoing arbitrator in the manner aforesaid.

b. It is further a term of this contract that no person other than the person appointed by the Chairman, CIL / CMD of Subsidiary Company (as the case may be) as aforesaid should act as arbitrator and that, if for any reason that is not possible, the matter is not to be referred to Arbitration at all. The venue of arbitration shall be the place from which the contract is issued or such other place as the Chairman, CIL / CMD of Subsidiary Company (as the case may be) at his discretion may determine."

29. Progress Reports

- 29.1 The Supplier shall from time to time render such reports concerning the progress of the contract and/or supply of the stores in such form as may be required by the Purchaser.
- 29.2 The submission, receipt and acceptance of such reports shall not prejudice the right of the Purchaser under the contract nor shall operate as an estoppel against the Purchaser merely by reason of the fact that he has not taken notice of or objected to any information contained in such report.

30. Provisions of CIL's Purchase Manual

The provisions of CIL's Purchase Manual and its subsequent amendments (Available on CIL's website, www.coalindia.in) shall also be applicable, if not specified otherwise in this Bid document.

31. Applicable Law

The Contract shall be governed by the laws of the Republic of India, unless otherwise specified in the bid document.

32. Jurisdiction of Courts

- 32.1 Irrespective of the place of delivery, the place of performance or place of payment under the contract, the contract shall be deemed to have been made at the place from where the acceptance of tender or supply order has been issued.
- 32.2 The courts of the place from where the acceptance of tender has been issued shall alone have jurisdiction to decide any dispute arising out of or in respect of the contract.

33. Notices

33.1 Any notice given by one Party to the other pursuant to this Contract shall be sent to the other Party in writing or facsimile to be confirmed in writing, to the other Party's address. For the purpose of all notices, the following shall be the addresses of the Purchaser and the Supplier:

Purchaser:

Executive Director (MM)/ HOD of MM Division, Coal India Limited, Coal Bhawan, Premises No. 04, Plot No. AF-II, Action Area 1A, New Town, Rajarhat,

Kolkata – 700 156, West Bengal, India

Fax No.:+9133 – 2324 4115 Phone: +9133 – 2324 4127] Email: gmmm.cil@coalindia.in

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Supplier:

Registered office address: Larsen & Toubro Ltd. L&T House, Ballard Estate, Mumbai 400 001

Email: infodesk@larsentoubro.com

Phone: 022-67525656

Zonal office address: Larsen & Toubro Ltd Mining Machinery 3B, Shakespeare Sarani, P.O.Box 619 Kolkata -700 071

Phone: 030-44085933 Mobile: 9831702088

email: rajat.chakraborty@larsentoubro.com

Manufacturer:

Komatsu Ltd. (Regd Office) 3-6 Akasaka, 2 Chome, Minato-Ku, Tokyo – 1078414, Japan

Komatsu Ltd. (New Location) 1-2-20, Kaigan Minato-ku Tokyo 105-8316, Japan

Phone: +81-3-6849-9874 Fax: +81-3-6849-9853

Email:kazuma nakanishi@global.komatsu

- 33.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.
- 33.3 In case of change in address, the Supplier shall immediately notify the same to the Purchaser in writing. The supplier shall be solely responsible for the consequences of omission to notify the change of address to the Purchaser.



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The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions contained herein shall prevail over those in the General Conditions of Contract. The corresponding Clause number of the General Conditions is indicated in parentheses. Further, there are some additional clauses in SCC.

1. Security Deposit (GCC clause -6)

1.1 The supplier has deposited security money in two separate bank guarantees in terms of the NIT provisions for 5 % (Five percent) value of the total landed value of the contract including all taxes, duties and other cost and charges as detailed below:-

A. Security Deposit in JPY:

Bank Guarantee No. BDC-792-320376-001 dated 23.07.2025 for JPY 15,65,21,502 (JPY Fifteen Crore Sixty Five Lakhs Twenty One thousand Five Hundred and Two Only) valid till 30.06.2027 from Mizuho Bank Ltd, Mumbai. The same has been confirmed by the bank through SFMS.

A copy of Bank Guarantee is enclosed as Annexure-1 (a).

B. Security Deposit in Indian Rupees:

Bank Guarantee No. 0544NDLG00099726 dated 22.07.2025 for Rs.6,70,82,830.00 (Rupees Six Crores Seventy Lakhs Eighty Two Thousand Eight Hundred and Thirty Only) valid till 28.02.2027 from ICICI Bank, Mumbai. The same has been confirmed by the bank through SFMS.

A copy of Bank Guarantee is enclosed as Annexure-1 (b).

- 1.2 The SDBG shall remain valid upto 3 months after the supply and commissioning of all the equipment. The SDBG will be released within 30 days after successful commissioning of all the equipment covered in the contract and on receipt of confirmation of Performance Bank Guarantee(s) for all the equipment covered in the contract, as detailed in clause-2 below. The Bank Guarantee for Security Deposit shall be extended till the Performance Bank Guarantee (s) are submitted by the firm, failing which Security Deposit will be forfeited.
- 1.3 Subject to force majeure conditions, if the Manufacturer/Supplier fails to extend the Bank Guarantee for Security Deposit, suitably as required, the same shall also be recorded as unsatisfactory performance for future dealings apart from taking any other penal action as may be deemed fit by CIL.
 - Security Deposit may be converted into Performance Bank Guarantee (PBG) at the option of the supplier by increasing its value / validity accordingly. Also, the format needs to be modified to take into account the Contract no. and date instead of the NoA no. and date. At the time of conversion of Security Deposit into PBG, it should be ensured that the amount of PBG should not be less than the amount prescribed under Clause-2.1 below. Wherever Security Deposit is converted into PBG, the operation of such SDBG/Performance Bank Guarantee Clause mentioned below.

2. Performance Bank Guarantee (PBG) (GCC Clause 7)

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- 2.1 The supplier shall be required to furnish a Performance Guarantee equivalent to 10% value of the total landed value of the Equipment along with maximum annual landed value of spares and consumables of the contract including all taxes, duties and other costs and charges without considering Input Tax Credit subsidiary-wise. The PBG will be required to be submitted subsidiaries wise to Paying Authority of concerned subsidiary.
- 2.2 The Performance Guarantee shall be deposited through RTGS/NEFT/IMPS/e-BG/other digital modes or in the form of a Bank Guarantee issued by a RBI scheduled bank in India in the format attached on a non-judicial stamp paper.
- 2.3 The Performance Bank Guarantee (PBG) shall be in the same currency (ies) in which contract has been signed. In case of multi-currency contract, separate PBG in respective currency for required value shall be submitted.

Total value of PBG in JPY shall be for JPY 31,30,43,010.00 (JPY Thirty One Crores Thirty Lakhs Forty Three thousand and Ten only) and total value of PBG in INR shall be for Rs.13,41,65,668.00 (Rupees Thirteen Crores Forty One Lakhs Sixty Five Thousand Six hundred and Sixty Eight only).

2.4 The Performance Bank Guarantee (s) may be submitted equipment wise to the concerned subsidiary where the equipment will be supplied. For this purpose, the value of each equipment will be worked out by dividing the total value of PBG, by the number of equipment ordered.

Sl. No.	Project and Subsidiary	Qty (Nos.)	PBG for equipment in JPY (per fleet)	PBG for equipment in JPY (per equipment)	PBG for spares & consumables in INR (per fleet)	PBG for spares & consumables in INR (per equipment)
1	Gevra, SECL	1	2,23,60,215.00	2,23,60,215.00	95,83,262.00	95,83,262.00
2	Nigahi, NCL	4	8,94,40,860.00	2,23,60,215.00	3,83,33,048.00	95,83,262.00
3	Bina-Kakri Amalgamation, NCL	1	2,23,60,215.00	2,23,60,215.00	95,83,262.00	95,83,262,00
4	Amlohri, NCL	1	2,23,60,215.00	2,23,60,215.00	95,83,262.00	95,83,262.00
5	Dudhichua, NCL	2	4,47,20,430.00	2,23,60,215.00	1,91,66,524.00	95,83,262.00
6	Krishnashila, NCL	1	2,23,60,215.00	2,23,60,215.00	95,83,262.00	95,83,262.00
7	Jayant, NCL	4	8,94,40,860.00	2,23,60,215.00	3,83,33,048.00	95,83,262.00
	Total	14	31,30,43,010.00		13,41,65,668.00	

2.5 The PBG (s) shall remain valid till 3 months after the completion of the contractual period of all the equipment covered in the contract.

The initial period of validity of the PBG(s) may be for 50% of the contract period (Sovears for dozers) or 5 years, whichever is lower, with the provision for timely action for the extension/ renewal/ replacement of the initial PBG for the balance 50% of the confittance period (3 years) plus 3 months after the completion of the contractual period of all the equipment covered in the contract or till balance contract period of all the equipment

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covered in the contract plus 3 months, whichever is lower.

This extension / renewal / replacement of initial PBG / extended PBG should take place 45 days prior to the expiry of the initial/ extended validity failing which CIL/Subsidiary shall be entitled to encash the PBG after giving 15 days' notice to the supplier and hold the amount as security for performance of the supplier's obligations under the agreement till completion of the contract period. The PBG shall be encashed at least 7 days prior to expiry.

2.6 The PBG shall be submitted to the Paying Authority, sufficiently in advance (say 3-4 weeks) to enable its verification before submission of the invoice for 80% payment of the particular equipment(s)

in case the Supplier desires to convert SDBG into PBG at its option, extension of validity of SDBG for the requisite period as mentioned at Clause 2.5 above and suitable changes in format, is to be submitted before submission of the invoice for 80% payment of the first equipment of the contract

OR

in lieu of PBG, a letter be submitted sufficiently in advance (say 3-4 weeks) to the Paying Authority to deduct PBG value as per stipulation in clause 2.1 from the invoice for 80% payment of the particular equipment (s) which may be kept as PBG for that particular equipment(s).

2.7 The PBG issued by Issuing bank on behalf of the bidder in favour of "concerned subsidiary where the equipment will be supplied" shall be in paper form (Stamp Paper) as well as issued under "Structured Financial Messaging System". The details of beneficiary Bank for issue of BG through SFMS Platform will be provided by the concerned subsidiary. The date of SFMS confirmation to Paying Authority shall be deemed to be the date of receipt of the BG. Original copy of the PBG issued by the Issuing Bank shall be sent by the issuing bank to concerned subsidiary.

However, if the original copy of the BG is handed over to the supplier by the Issuing bank, the issuing bank shall send an e-mail from their corporate e-mail id (on the date of handing over) directly to corporate e-mail id of the order placing authority that they have handed over the original copy of the BG to the supplier for handing over to the beneficiary, attaching a scanned copy of the SDBG.

2.8 The release of the Performance Bank Guarantee(s) / converted SDBG after above indicated period, shall be subject to satisfactory performance of the equipment during 8 years period from the date of commissioning of the equipment and fulfillment of contractual obligations failing which, action for further extension or encashment of PBG / converted SDBG, as deemed suitable shall be taken. Release of PBG for each equipment may be done separately on satisfactory performance of the respective equipment as above. In case of converted SDBG, the release will be done only after satisfactory performance of all the equipment covered in the Contract or in case of unsatisfactory performance of some equipment, or on receipt of the Claim amount to be recovered from the Supplier, with suitable deductions for unsatisfactory performance of equipment, if any, from the converted SDBG.

The Performance Bank Guarantee shall be released with the approval of concerned subsidiary's HOD(MM) after expiry of validity period and on receipt of:

'No Claim Certificate' from the HOD of User department; and

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b) 'No Claim / Dispute Certificate' from the Supplier as per format provided as Annexure-4

Whenever deductions towards unsatisfactory performance of equipment or non-achievement of guaranteed availability in a particular year(s) are made within the tenure of the PBG/converted SDBG during the contract period, the amount deducted from the PBG/converted SDBG should be replenished within a month in order to ensure that the original value of the PBG/converted SDBG remains the same throughout the contract period.

2.9 You shall submit the copy of SFMS Message as sent by the issuing Bank branch along with original Bank guarantee.

3. Inspection and Test (GCC Clause 8)

- 3.1 Pursuant to Clause 8.1 of the GCC, details of specific inspections and/or tests to be carried out at the Supplier's works and/or at the Site(s) are given in Section VI, Technical Specifications.
- 3.2 Clause 8.3 of the GCC is modified to read as follows:

 "Should any inspected or tested Goods fail to conform to the Specifications, including acceptance tests and periodic tests to verify guaranteed performance, the Purchaser may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet Specification requirements free of cost to the Purchaser within sixty (60) days of such rejection. Replaced or altered goods shall be subjected to repeated inspection or tests to demonstrate conformity with the Specifications. In the event that replacement or alteration is not done within sixty day period as aforesaid, or, replaced or altered goods fail to demonstrate conformity with the Specifications in repeated inspections or tests as aforesaid, the Purchaser reserves the right to terminate the Contract in part or in whole and the Supplier shall repay forthwith to the Purchaser all monies paid in respect of Goods, and Services associated therewith, for which the termination is applicable and, subsequently remove the same from the Purchaser's Site at the Supplier's cost".
- 3.3 The following Clause is added as Clause 8.7 to the GCC:

"The Purchaser or its nominated representative shall have the right to conduct inspections or tests as set out in this Clause at any reasonable time. The Purchaser reserves the right, at the Purchaser's cost, to depute its own inspector(s) and/or to engage any other third party inspecting agency, other than the one recommended by the Supplier, to conduct inspections and tests pursuant to the Contract".

4. Incidental Services

The following Services, shall be provided by the Supplier:

(a) Erection, Testing and Commissioning

Erection, testing and commissioning of the Equipment as detailed in the Schedule of Requirements and the Technical Specifications.

The supplier shall be responsible for the erection and commissioning within 30 days from the receipt of equipment at site.

The purchaser will provide necessary cranes, electricity and fuel required for testing only. All other erection tools & tackles including manpower will be arranged by the supplier. Any substantial delay in providing cranes from purchaser side will be

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recorded jointly for calculation purpose of erection & commissioning time in the Hindrance register in the format (Annexure -5).

If the supplier fails to commission the equipment within the specified period as mentioned above, Liquidated damages will be recovered @ 0.5% of the landed price of the equipment along with accessories per week or part thereof for the delayed period subject to a maximum of 5% of the landed price of equipment along with accessories.

(b) **Tools**

Supplier have furnished tools required for assembly and maintenance of the supplied Goods as detailed in the Schedule of Requirements and the Technical Specifications.

Manuals (c)

Furnishing of detailed operating, repair, maintenance and spare parts manuals as detailed in the Technical Specifications.

(d) Training

Training of the Purchaser's personnel as detailed in the Schedule of Requirements and the Technical Specifications. The cost of such Services shall be included in the Contract Price.

The Supplier shall be responsible for arranging and the cost of all necessary tickets, visas, permits, foreign exchange and any other matter or facility for visits of the Supplier's personnel for the purposes of Erection, Testing and Commissioning the Equipment and/or Training of the Purchaser's personnel - the Purchaser shall have no responsibility in this regard except in respect of issuance of letters supporting visa applications as may reasonably be requested by the Supplier. The Supplier shall be responsible for paying taxes, if any, including personal income tax and surcharge on income tax, for which it or its personnel may become liable.

For visit of Purchaser's personnel to manufacturer's works/venue of training, the Purchaser shall arrange all necessary tickets, conveyance, lodging and boarding and any other matter or facility for visits of Purchaser's personnel.

5. **Insurance (GCC Clause-11)**

Pursuant upon Clause-11.1, GCC, the insurance coverage of the goods will be upto successful erection and commissioning of the equipment at site.

Transportation (GCC Clause-12) 6.

Add the following paragraph to the Clause-12.3, GCC:

"Marine Freight and Marine Insurance Charges shall be paid at actuals against documentary evidence subject to the ceiling of quoted amount. Inland Freight charges and Inland Insurance charges shall be paid at actuals against documentary evidence but not beyond the rate/ price quoted under these heads."

Warranty (GCC Clause-13)

The "thirty days" mentioned in Clauses-13.3 and 13.4 of the GCC shall stand replaced by "sixty days".

For the purpose of Clause 13.5 of the GCC, "For the goods whose life is less than twelve (12) months, the warranty period will depend on the nature of the item under procurement

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and the parts manufacturer's or supplier's guarantee /warranty certificate shall suffice.

- 8. Payment (GCC Clause 14)
- 8.1 Pursuant to Clause-14.1 of the GCC, the payment terms are as follows:
- 8.2 Payment shall be made in the currency or currencies specified in the contract in the following manner:
- 8.2.1 For Payment of equipment in Indian Rupees: (NOT Applicable)
- 8.2.2 For Payment of consumable spares and consumables for first 12 months of warranty period in Indian Rupees:

100% value of the consumable spares and consumables and 100% taxes and duties and other charges shall be made within 21 days of receipt and acceptance of materials at consignee's end.

8.2.3 For Payment of spares and consumables for 5 years after the warranty period of 12 months in Indian Rupees under Spares Cost Cap:

100% value of the spares and consumables and 100% taxes and duties and other charges shall be made within 21 days after receipt and acceptance of materials at consignee's end.

- 8.2.4 Submission of Documents for Payment for equipment in Indian Rupees: (NOT Applicable)
- 8.2.5 Submission of Documents for Payment in Indian Rupees for consumable spares and consumables during warranty period.

For payment for consumable spares and consumables in Indian Rupees, the supplier will submit the following documents along with bills to the paying authority:

- a. Two copies of the Supplier's invoice, Pre-Receipted and Stamped showing Contract Number, Goods description, quantity, unit price, total amount and GST No. of Ultimate Consignee.
- b. Copy of Receipted Challan/ Consignment Note of all the consignments.
- c. Equipment Manufacturer's / Supplier's Warranty /Guarantee Certificate as per GCC Clause-13.2 & 13.5.
- d. The following Lowest Price Certificate as per SCC clause 9.3:

"We certify that prices for the items supplied are the lowest and not higher than as applicable to any Organization / Ministry / Department of the Govt. of India or Coal India Ltd. and/or its Subsidiaries or other PSU or any other private organization and it will be our responsibility to inform the Purchaser in case items are supplied at a lower price".

The following Price Fall Certificate as per SCC Clause- 9.3 "

"We certify that we have not offered to supply / supplied the ordered / similar item(s) at a lower rate to any Organization / Ministry / Department of the Covit. of India or Coal India Ltd. and/or its Subsidiaries or other PSU or any other private organization during the currency of the Contract".

f. Any other document(s) required as per contract.

8.2.6 Submission of Documents for Payment in Indian Rupees for spares and consumables

8.2.6 Submission of Document

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during 2nd year to 6h year of operation under Spares Cost Cap:

For payment for Spares and consumables under Spares Cost Cap in Indian Rupees, the supplier will submit the following documents along with bills to the paying authority:

- a. Two copies of the Supplier's invoice, Pre-Receipted and Stamped showing Contract Number, Goods description, quantity, unit price, total amount and GST No. of Ultimate Consignee.
- b. Copy of Receipted Challan/ Consignment Note of all the consignments.
- c. Equipment Manufacturer's / Supplier's Warranty / Guarantee Certificate as per GCC Clause-13.2 & 13.5.
- d. The following Lowest Price Certificate as per SCC clause 9.3: "We certify that prices for the items supplied are the lowest and not higher than as applicable to any Organization / Ministry / Department of the Govt. of India or Coal India Ltd. and/or its Subsidiaries or other PSU or any other private organization and it will be our responsibility to inform the Purchaser in case items are supplied at a lower price".
- e. The following Price Fall Certificate as per SCC Clause- 9.3 "We certify that we have not offered to supply / supplied the ordered / similar item(s) at a lower rate to any Organization / Ministry / Department of the Govt. of India or Coal India Ltd. and/or its Subsidiaries or other PSU or any other private organization during the currency of the Contract".
- f. Certificate that the spares and consumables being supplied during the ...th year of operation and for which payment is being sought, has not crossed the cumulative Spares Cost Cap value of the ...th year of operation of the Machine Sr. No.....
- g. Any other document(s) required as per contract.

8.3.1 For Payment of equipment in foreign Currency

- i) An unconfirmed, irrevocable letter of credit will be established for net CIF value after deducting Indian Agency Commission, if any from the CIF value.
- ii) 80% payment of the net CIF value will be made through unconfirmed, irrevocable letter of credit against submission of:
 - A. shipping documents;
 - B. Self-attested copy of acceptance letter of the PBG as per Clause 2, SCC, Sec-IV by the concerned subsidiary **OR** Self-attested copy of acceptance letter of the extended SDBG as per Clause 1.11, SCC, Sec-IV by CIL or letter for deduction of equivalent amount from their bills.
 - C. Copy of Receipted Challan/ Consignment Note of all the consignments.
- Balance 20% of the net CIF value will also be paid through same unconfirmed irrevocable, letter of credit against submission of successful commissioning certificate, signed by the concerned officials of the Project and counter-signed by the Area General Manager and HOD of Excavation Deptt. of the subsidiary company, where the equipment has been deployed.
- iv) The Marine freight and Marine Insurance charges shall be paid at actuals subject to ceiling of the quoted amounts.

All bank charges incidental to opening of letter of credit in purchaser's country shall be borne by purchaser and all charges in the seller's country shall be borne by the benefit fary

The letter of credit shall not be confirmed. In case the bidder insists for confirmation of the

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letter of credit, the cost of confirmation shall be borne by the bidder.

L/C shall be opened by the paying authority of the concerned subsidiary.

L/C shall allow partial shipment and trans-shipment

INR Component of Equipment

80% payment of the INR component of CIP value of the equipment but excluding erection and commissioning charges and 100% taxes and duties shall be made within 21 days after receipt and acceptance of equipment at site at the consignee's end and submission of either (a) Performance Bank Guarantee having validity till 3 months after the completion of 6 years from the date of commissioning of all the equipment covered in the contract or initial validity of 50% of Contract period (3 years for dozers) or 5 years, whichever is lower; or (b) Copy of validity extension of SDBG, in case SDBG is converted into PBG at the option of the supplier, till 3 months after the completion of 6 years from the date of commissioning of all the equipment covered in the contract or initial validity of 50% of Contract period (3) years for dozers) or 5 years, whichever is lower. In case of non-submission of PBG or converted SDBG, payment may be made after deducting equivalent amount as PBG on specific request of the Supplier.

Balance 20% of the INR component of CIP value including 100% erection and commissioning charges shall be made after successful completion of erection, testing, commissioning and final acceptance of the equipment (along with the accessories) upon presentation of successful commissioning certificate, signed by the concerned officials of the Project and counter-signed by the Area General Manager and HOD of Excavation Deptt. of the subsidiary company, where the equipment has been deployed.

The Inland freight charges and Inland Insurance charges shall be paid at actual against documentary evidence subject to ceiling of the quoted rate/price quoted under these heads.

For Payment of consumable spares and consumables for first 12 months of warranty 8.3.2 period in foreign Currency: (NOT APPLICABLE)

Submission of Documents for Payment in foreign Currency for equipment

For 80% Payment:

For Payment for equipment in foreign Currency, the supplier will submit the following documents along with bills to the bank for negotiating L/C:

- Two (2) copies of the Supplier's shipping invoice showing Contract Number, Goods description, quantity, unit price, total amount and GST No. of Ultimate Consignee.
- b. Two (2) copies of the clean on-board bill of lading and four (4) copies of nonnegotiable bill of lading. Importer Exporter Code (IEC) of concerned subsidiary Co. should be mentioned in Bill of Lading.
- Two (2) copies of packing list identifying contents of each package. c.
- d. Equipment Manufacturer's Warranty /Guarantee Certificate as per Technical Specification Clause-C.9.
- Manufacturer's Test & Inspection Certificate e.
- f. The following Lowest Price Certificate as per SCC clause - 9.3: "We certify that prices for the items supplied are the lowest and not higher than as

applicable to any Organization / Ministry / Department of the Govt. of India or Coal India Ltd. and/or its Subsidiaries or other PSU or any other private

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- organization and it will be our responsibility to inform the Purchaser in case items are supplied at a lower price".
- The following Price Fall Certificate as per SCC Clause- 9.3 " g. "We certify that we have not offered to supply / supplied the ordered / similar item(s) at a lower rate to any Organization / Ministry / Department of the Govt. of India or Coal India Ltd. and/or its Subsidiaries or other PSU or any other private organization during the currency of the Contract".
- h. Certificate of Country of Origin issued by the Chamber of Commerce of Manufacturer's Country.
- Self-attested copy of acceptance letter of the PBG as per Clause 2, SCC, Sec-IV by i. the concerned subsidiary

- Self-attested copy of acceptance letter of the extended SDBG as per Clause 1.11, SCC, Sec-IV by CIL or self-attested letter for deduction of equivalent amount from their bills.
- A certificate that no commission is payable by the principal supplier to any agent, j. broker or any other intermediary against this contract other than ----% of FOB value of the contract to M/s. ----(Indian Agent).
- Copy of Goods Consignment Note supported by Challans of all the consignments, k. duly receipted by consignee, with the certificate from supplier that all the consignments for commissioning of complete equipment have been delivered
- Copy of Certificate of Insurance. 1.
- Documentary evidence for Marine freight and marine Insurance. m.
- Any other document(s) required as per contract n.

For 20% Payment:

- Self-attested copy of commissioning certificate, signed by the concerned officials of the Project and counter-signed by the Area General Manager and HOD of Excavation Deptt. of the subsidiary company, where the equipment has been deployed.
- 8.3.4 Submission of Documents for Payment in foreign Currency for consumable spares and consumables during warranty period(NOT APPLICABLE)
- 8.4 Payment for Indian Agency Commission (GCC Clause-14.2)

The Clause-14.2, GCC is modified and the following is also added:

Indian Agency commission (@ 5% (five percent) of FOB value of the Equipment is included in the FOB Price as per Price Schedule), for equipment shall be paid in equivalent Indian Rupees within twenty-one days of submission of bills, after installation and commissioning of the equipment on submission of the following documents:

- Copy of foreign principal's invoice. (A)
- Copy of bill of lading. (B)
- Self-attested copy of certificate from State Bank of India regarding Bill Selling (C) exchange rate ruling on the date of bill of lading (in case of bank holiday on date of bill of lading, Bill Selling exchange rate on next working day shall be considered) or self-attested downloaded sheet from SBI portal containing Bill Selling exchange rate ruling on the date of bill of lading (in case of bank logical) on date of bill of lading, Bill Selling exchange rate on next working day shall be considered).

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Self-attested copy of commissioning certificate of the equipment signed by the (D) concerned officials of the Project and counter-signed by the Area General Manager and HOD of Excavation Dept. of the subsidiary company, where the equipment has been deployed.

Paying Authority shall verify the self-attested downloaded sheet of SBI containing the Bill Selling Exchange rate from the SBI portal/website and after verification, make payment.

Indian Agency Commission, if any, for consumable spares and consumables for 1st year of operation from the date of commissioning of the equipment shall be paid in equivalent Indian Rupees on receipt and acceptance of the same at consignee's end. Paying Authority shall obtain confirmation of receipt and acceptance of the same from the consignee before release of Indian Agency Commission. The payment shall be made within twenty-one days of submission of bills along with following documents:

- Copy of foreign principal's invoice.
- Copy of bill of lading.
- Certificate from State Bank of India regarding Bill Selling exchange rate ruling on the date of bill of lading (in case of bank holiday on Date of bill of lading, Bill selling exchange rate on next working day shall be considered) or self-attested downloaded sheet of SBI portal containing Bill Selling exchange rate ruling of the date of bill of lading (in case of bank holiday on date of bill of lading, Bill Selling exchange rate on next working day shall be considered).

Paying Authority shall verify the self-attested downloaded sheet of SBI containing the Bill Selling Exchange rate from the SBI portal/website and after verification, make payment.

Paying Authority 8.5

The Paying Authority shall be General Manager (Finance), of the concerned subsidiary.

The payments will be made by the Paying Authority to the manufacturer and / or Indian agent shall be per the Bank Details for Electronic Payment [Annexure-4]. The same is enclosed.

This is against Budget Certification as under:-

SECL:

BC under capital head

No.	Unit Area	Head	Year	Amount (Rs)
318	GM Office (Gevra)	P&E HEMM	2025-26	99,96,48,572.00
26.06.2025	GM Office (Gevra)		2025-27	16,66,08,095.00
	GM Office (Dipka)		2025-26	66,64,32,381.00
* ***	GM Office (Dipka)	g are Proud a year	2025-27	33,32,16,191.00
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Special Conditions of Contract (SCC)

BC under revenue head

SECL/GM(F)/CONS.HEMM SPARE/ BC/AREAS OF SECL/2026-27 to 2031-32/50/03 for Rs.36027.12 lakhs dated 27.06.2025

NCL:

Capital budget:

Capital Budget/BC of Rs.81,33,17,387.24 (Rupees Eighty-One Crore Thirty-Three Lakh(s) Seventeen Thousand Three Hundred Eighty-Seven and Paise Twenty-Four Only) vide ref. no. NCL/HQ/C&B/Capital/ HEMM/2025-26/02 dt 28.06.2025.

FC for total value of Rs.81,33,17,387.24 (Rupees Eighty-One Crore Thirty-Three Lakh(s) Seventeen Thousand Three Hundred Eighty-Seven and Paise Twenty-Four Only) is given vide ref. no. NCL/HQ/FC/2025-26/ Capital/HEMM/02 dt. 28.06.2025.

Revenue Budget:

Budget/BC of Rs.11,29,32,023.88 (Rupees Eleven Crore Twenty-Nine Lakh(s) Thirty-Two Thousand Twenty-Three and Paise Eighty-Eight Only) from Centralised HEMM Spares budget is kept at HQ, vide ref. no. NCL/HQ/BC/2025-26/Centralised HEMM Spares/86 dt 28.06.2025.

FC for Rs.11,29,32,023.88 (Rupees Eleven Crore Twenty-Nine Lakh(s) Thirty-Two Thousand Twenty-Three and Paise Eighty-Eight Only) is given vide ref. no. NCL/HQ/FC/2025-26/Centralised HEMM Spares/ 78 dt 28.06.2025.

The budget for the subsequent years will be provided by NCL after the communication of the Revenue Budget for the respective years by GM(Excv)-HOD, NCL

9 Prices

9.1 Prices stated in the contract shall remain firm and fixed throughout the period of the Contract.

9.2 Lowest Price Certificate

"The Supplier shall submit a certificate that prices for the items supplied are the lowest and not higher than as applicable to any Organization / Ministry / Department of the Govt. of India or Coal India Ltd. and/or its Subsidiaries or other PSU or any other private organization."

It will be the supplier's responsibility to inform the Purchaser in case items are supplied a lower price.

Price Fall Clause

If the contract holder reduces its price or sells or even offers to sell the contracted goods or services following conditions of sale similar to those of the contract, at a price lower than the contract price, to any person or organization during the currency of the contract, the contract price will be automatically reduced with effect from that date for all the subsequent supplies under the contract and the contract be amended accordingly.

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Special Conditions of Contract (SCC)

The provisions of price fall clause will however not apply to the following:

- i) Export/Deemed Export by the supplier;
- ii) Sale of goods or services as original equipment prices lower than the price charged for normal replacement;
- iii) Sale of goods such as drugs, which have expiry date;
- iv)Sale of goods or services at lower price on or after the date of completion of sale/placement of order of goods or services by the authority concerned, under the existing or previous Rate Contracts as also under any previous contracts entered into with the Central or State Government Departments including new undertakings (excluding joint sector companies and or private parties) and bodies

Note:

- a. The currency of contract will mean the period till completion of supply.
- b. It shall be responsibility of the supplier to inform the purchaser of offer to supply / supply of the ordered / similar item(s) at a lower rate to any Organization / Ministry / Department of the Govt. of India or Coal India Ltd. and/or its Subsidiaries or other PSU or any other private organization during the currency of the contract.
- d. The supplier shall submit a certificate along with the bill(s) that it has not offered to supply / supplied the ordered / similar item(s) at a lower rate to any Organization / Ministry / Department of the Govt. of India or Coal India Ltd. and/or its Subsidiaries or other PSU or any other private organization.

10. Taxes and Duties (GCC Clause-26)

10.1 The following sub-clause is added to Clause-26, GCC:

Applicability of GST on Liquidated damages, EMD and/or Security Deposit forfeiture: GST shall not be applicable on Liquidated damages, EMD and/or Security Deposit forfeiture

11. Changes in Order (GCC Clause 15)

The Purchaser may at any time, by a written order given to the Supplier, make changes within the general scope of the Contract in any one or more of the following:

- a) the place of delivery; and/or
- b) the place of Services to be provided by the Supplier.

12. Provisions of CIL's Purchase Manual (GCC Clause 30)

The provisions of CIL's Purchase Manual and its subsequent amendments (Available on CIL's website, www.coalindia.in) prevailing on the date of opening of tender shall also be applicable, if not specified otherwise in this Contract.

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Schedule of Requirements





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Schedule of Requirements

Part I

Sl. No	Brief Description of Goods & Services	Quantity	Expected Delivery schedule at Site
1	850 HP Crawler Dozer without Ripper Model: D475A-5E0 [Engine Net Power: 890 HP (664 Kw) @ 2000 rpm]	14 Nos.	At least 03 (three) machines within 10 (ten) months from the date of signing of Contract and thereafter at least 03 (three) machines per month. Project wise Allocation: Machine without Ripper (i) Gevra OCP, SECL – 1 no. (ii) Nigahi OCP, NCL – 4 nos. (iii) Bina-Kakri Amalgamation OCP, NCL – 1 no. (iv) Amlohri OCP, NCL – 1 no. (v) Dudhichua OCP, NCL – 2 nos. (vi) Krishnashila OCP, NCL – 1 no. (vii) Jayant OCP, NCL – 4 nos
			Project wise Priority Allocation: 1st Dozer Krishnashila OCP, NCL 2nd Dozer Dudhichua OCP, NCL 3rd Dozer Amlohri OCP, NCL 4th Dozer Jayant OCP, NCL 5th Dozer Bina-Kakri Amalgamation OCP, NCL 6th Dozer Jayant OCP, NCL 7th Dozer Nigahi OCP, NCL 7th Dozer Nigahi OCP, NCL 9th Dozer Dudhichua OCP, NCL 9th Dozer Jayant OCP, NCL 10th Dozer Jayant OCP, NCL 11th Dozer Nigahi OCP, NCL 11th Dozer Nigahi OCP, NCL 12th Dozer Nigahi OCP, NCL 12th Dozer Nigahi OCP, NCL 13th Dozer Nigahi OCP, NCL 14th Dozer Sevra OCP, SECL Adjustment to the excess supplies, if any, made against the above delivery schedule is admissible in case of subsequent short supplies.
2	AFDSS and other commissioning requirements as per Annexure – 6 of the NIT (contract), if any, and Ancillary Equipment for each equipment of Item 1 (above), as specified in Technical Specifications, Section-VI.	In accordance with item 1	Delivery to be made along with the Machine.
3	Provision of spare parts; - Operational, Maintenance and Standby/Contingency spare parts, consumable items, wear materials, maintenance tools, special	06 (1 + 5) years well-1	To comply with the terms of part C.6 of Taching all Specifications, Section VI and in consideration of Items 1 and 2 above. The delivery of spare parts and consumables should be made as follows: 53/309 dated 07.10.2025 Page 36 of 2

tools in accordance with Part	a) Consumable spares and consumables required
C.6 of the Technical	for first 12 months of warranty period— to be
Specification, Section-VI.	supplied in two lots within six months from the
	date of commissioning of the first equipment.
The cost of Spare Parts	No consumable spares and consumables of
requirement shall be quoted	warranty period will be accepted after
separately for each project	completion of 12 months of warranty period.
	b) Spares and consumables required from 2 nd to 6 th
	year of operation from the date of
	commissioning of the equipment for the project
	- To be supplied as per requirement of the user
March 1 and the control of the contr	under Spares Cost Cap.

The quantities of equipment allocated to the mine projects are as follows:

Sl. No.	Name of Project	Company	Consignee Address	Total Requirement	
Mac	hine without Ri	ipper		Under NCD	
1	Gevra, OCP	South Eastern Coalfields Ltd.	Depot Officer, Regional Stores, Gevra Area, South Eastern Coalfields Limited, P.O. Gevra, Distt. Korba, Chattisgarh, India, Pin- 495452	01	
2	Nigahi, OCP	Northern Coalfields Ltd.	Depot Officer, Regional Stores, Nigahi Project, Northern Coalfields Ltd., P.O. – Singrauli Colliery, Dist-Sidhi, Madhya Pradesh (India), Pin – 486889	04	
3	Bina-Kakri Amalgamation , OCP	Northern Coalfields Ltd	Depot Officer, Regional Stores, Bina Project, Northern Coalfields Ltd., P.O. – Bina Colliery Dist Sonbhadra, Uttar Pradesh (India) Pin –231220	01	
4	Amlohri, OCP	Northern Coalfields Ltd.	Depot Officer, Regional Stores, Amlohri Project, Northern Coalfields Ltd., P.O. – Amlohri, Dist - Singrauli., Madhya Pradesh (India) Pin - 486887	01	
5	Dudhichua, OCP	Northern Coalfields Ltd	Depot Officer, Regional Stores, Dudhichua Project, Northern Coalfields Ltd., P.O. – Khadia, Dist - Sonbhadra, Uttar Pradesh (India) Pin - 231222	02	
6	Krishnashila, OCP	Northern Coalfields Ltd	Depot Officer, Regional Stores, Krishnashila Project, Northern Coalfields Ltd., P.O. – Bina, Dist Sonbhadra, Uttar Pradesh (India) Pin - 231220	01	
7	Jayant, OCP	Northern Coalfields Ltd.	Depot Officer, Regional Stores, Jayant Project, Northern Coalfields Ltd., P.O. – Jayant Colliery, Dist Sidhi Madhya Pradesh (India) Pin - 486890	04	
		Total	O'A LIMITES	14	

Delivery Terms

Note:

Price for the equipment along with accessories and Spares & Consumables for the projects shown under NCD heading should be quoted with Normal Custom Duty (NCD).

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- 2. Price for the equipment along with accessories and Spares & Consumables for the projects shown under PCD heading should be quoted with Project Concessional Duty (PCD) applicable for the imported contents, as per extant customs rules and regulations.
- 3. As on date the Basic Customs Duty (BCD) for both NCD & PCD is 7.5% for the tendered equipment. Bidders should ascertain at their end the applicable BCD while submitting their offer.
- A) In case of Import Order: On CIP (Final Place of Destination) basis.
- B) In case of Indigenous Order: On FOR Destination basis / Free Delivery at Site basis.

<u>Delivery Schedule</u>: Delivery schedule as indicated above, shall reckon from the date of Contract. However, in case of order for equipment under PCD on Indigenous manufactures, delivery period will be counted from the date of intimation to the supplier that the project registration with Customs has been completed subject to furnishing of all the documents or compliance of all requirements of Customs by the Supplier required for registration of project. In case of direct import, delivery shall not be linked with issue of PCD certificate.

Port Consignee:

The Purchaser's Port Consignee shall be:

General Manager (MM), Coal India Ltd., Coal Bhavan, Premises No.4, Plot No. AF-III, Action Area 1 A, New Town, Kolkata 700 156, West Bengal, India.

Ph: +91 33 23246640 Fax: +91 33 23246000

e-mail id: edmm.cil@coalindia.in / gmmm.cil@coalindia.in

The purchaser will pay only Customs Duties applicable to imported goods. All activities to clear goods through Customs and transport to Named Place of Destination will be undertaken by the supplier at its cost

Country of Origin for the equipment: Japan.

Name of the Port of Shipment / Loading: Kobe / Yokohama seaport in Japan

Name of the Port of Arrival in India: Chennai / Ennore / Mumbai / Visakhapatnam / Paradip seaport

Final Place of Destination / FOR Destination / Ultimate Consignee

The Projects indicated above are the Final Place of Destination/ FOR Destination for the purpose delivery. The consignee mentioned therein is the ultimate consignee.

Part II

Sl. No.	Brief Description of Services	Period/Quantum
1	Training of Purchaser's Personnel at Project Site / Manufacturer's Training Facility available in India	Please refer to Schedule of Requirements of Services later in this Section and to the Technical Specifications (Section VI).
2	Assembly and erection of equipment at Site in accordance with the Technical Specification and Conditions of Contract.	As given in Annexure – 6(n)

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Schedule of Requirements of Services

The Supplier's scope of the Contract will include the following

- I. Type test on each equipment included in the technical specification and offered in the bid.
- II. Providing Services of Supplier's qualified engineer(s)/personnel and manpower (skilled/semi-skilled/non skilled) for:
- A. Unloading, transportation to site, storage at site and/or
- B. Transportation from storage to erection site, installation, testing and commissioning.
- III. Training of Purchaser's Personnel:

The Purchaser's estimates of the minimum training requirements within warranty period, (in terms of Purchaser's personnel, periods and locations) are given in the following table. These estimates relate to each equipment as specified in Part I

Table - A

Name of the Project: - (i) Nigahi OCP, NCL (Under NCD)

(ii) Jayant OCP, NCL (Under NCD)

Fleet Size: - 4 nos.

Type of Personnel	At Manufacturer's training facilities available in India						At Site					
	No.	1	Period		Total	No.	F	Period		Total		
Mech Engineer	1	1	Week	1	Week	1	1	Week	1	Week		
Mech Supervisor	1	1	Week	1	Weeks	1	1	Week	1	Week		
Elec Supervisor	-	-	Week	-	Week		-	Week	_ 77	Week		
Mech Fitter	-	_	Week	•	Week	4	1	Week	4	Weeks		
Electrician	-	-	Week	-	Week	2	1	Week	2	Weeks		
Operator		-	Week	ALT and	Week	14	1	Week	14	Weeks		
Total	2			2	Weeks	22			22	Weeks		

Table – B

Name of the Project: Dudhichua OCP, NCL (Under NCD)

Fleet Size: - 2 nos.

Type of Personnel	At Manufacturer's training facilities available in India						At Site					
	No.	1	Period		Total	No.	I	Period		Total		
Mech Engineer	1	1	Week	1	Week	1	1	Week	1	Week		
Mech Supervisor	1	1	Week	1	Week	1	1	Week	1	Week		
Elec Supervisor		, -	Week	-	Week		-	Week		Week		
Mech Fitter	-	-	Week	- J	Week	2	1	Week	2	Weeks		
Electrician	-	-	Week	-0	Week	1	1	Week	1	Week		
Operator	-	-	Week		Week	7	1	Week	7	Weeks		
Total	2			2	Weeks	12			12	Weeks.		

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Name of the Project:- (i) Gevra OCP, SECL (Under NCD)

- (ii) Bina-Kakri Amalgamation OCP, NCL (Under NCD)
- (iii) Amlohri OCP, NCL (Under NCD)
- (iv) Krishnashila OCP, NCL (Under NCD)

Fleet Size: - 1 no.

Type of Personnel	At Manufacturer's training facilities available in India						At Site						
	No.]	Period		Total	No.	I	Period		Total			
Mech Engineer	1	1	Week	1	Week	1	1	Week	1	Week			
Mech Supervisor	1	1	Week	1	Week	1	1	Week	1	Week			
Elec Supervisor	-	-	Week	all and	Week	No Light		Week	-	Week			
Mech Fitter	-	_	Week	-	Week	2	1	Week	2	Weeks			
Electrician	-	-	Week	-	Week	1	1	Week	1	Week			
Operator	_	-	Week		Week	4	1	Week	4	Weeks			
Total	2			2	Weeks	9			9	Weeks			

Definitions:

Mech. Engineer-

Graduate Engineer having basic knowledge of the equipment

Elect./Mech. Supervisor -

Diploma Holder Engineer having basic knowledge of the

equipment

Mech Fitters/Electricians/Operators-

Un-skilled, semi-skilled and skilled.

Note:- The training shall be completed in batches within warranty period from the date of commissioning of first equipment in the respective project.

- IV. Provision of additional training within the contract period after completion of warranty period.
 - i. The Supplier will impart training to the CIL personnel, in addition to the contractual training provision, after completion of warranty period but at any time within the contract period.
 - ii. The additional training will be as per requirement of the user and shall cover the training scope same as per the mandatory training (within warranty period) of the contract.
 - iii. The training will be on chargeable basis and additional payment to the supplier will be made at the same rates which have been indicated for mandatory training (indicated in the Price Schedule).

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Technical Specifications



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Technical Specifications Preface - Instructions to Bidders

Introduction

These Technical Specifications identify the technical requirements of the Goods and Services which are the subject of this tender.

The Technical Specifications are presented in four parts as follows:

- A. Scope of Supply
- B. Specific Project Requirements
- C. General Requirements
 - 1) Geography and Climatic Conditions
 - 2) Goods (Equipment and Machinery)
 - 3) Services
 - 4) Standards
 - 5) Supplier's Responsibility
 - 6) Spare Parts Provisions
 - 7) Availability Provisions
 - 8) Deemed Breakdown
 - 9) Composite Warranty / Guarantee
 - 10) Quality Assurance
- D. Equipment Specifications

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Part A

Scope of Supply

A.1 **Equipment Package**

The Supplier is required to provide a complete package of equipment for the supply of Komatsu Make 890 HP Crawler Dozer Model- D475A-5E0 (Engine Net Power 890 HP (664 KW) @ 2000 rpm) without Ripper Attachment to opencast (surface) coal mining projects as per the Technical Specifications provided in Part D.

The supplier is required to supply the equipment along with accessories, consumables, training, installation, commissioning and testing at the coal mining project.

The package also includes Consumable Spares and Consumables including oils, greases, lubricants and GETs for 12 months of warranty period from the date of commissioning of the equipment and thereafter Spares & Consumables for a period of 5 years under Spares Cost Cap.

The Scope and Phasing of supply for the 850 HP Crawler Dozer (Engine Net Power 890 HP (664 KW) @ 2000 rpm) without Ripper Attachment is given in Schedule of requirement.

A.2 **Supplementary Items**

The equipment shall be provided with a comprehensive tool kit which shall include any special tools required for erection and commissioning of equipment.

Detail given in Annexure – (6a)

A.3 **Information and Drawings**

At least one month before the scheduled installation date, the Supplier shall provide not less than:

(a) Suitably illustrated copies of Operating, Repair and Maintenance Manuals for each type/model of equipment and accessories, written in English language, substantially bound in book form;

One hard copy along with soft/digital copy to each project site; and

Soft/digital copy of the same to the General Manager (Excv.)/HOD, Subsidiary Hqrs. and General Manager (EED), Coal India.

(b) Suitably illustrated copies of detailed Spares Parts Manuals for each type/model of equipment and accessories, written in English language, substantially bound in book form;

One hard copy along with soft/digital copy to each project site; and

Soft/digital copy of the same to the General Manager (Excv.)/HOD, Subsidiary Hqrs., General Manager (EED), CIL; General Manager (MM)/HOD subsidiary Hors and General Manager MM)/HOD, CIL.

In addition to the Equipment drawings, where appropriate the Supplier shall supply detailed relevant drawings (in the same number of copies) illustrating erection/assembly site(s) foundation and accommodation requirements for such items as drive motors

installations etc.

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A.4 Erection/Assembly, Commissioning and Performance Testing:

The Supplier will provide the Services of Specialist Technicians (refer Part – C.3) and required manpower (skilled/semi-skilled/unskilled) to undertake the installation/erection/assembly, commissioning and performance testing of the Equipment and accessories supplied.

The technicians will remain at site following commissioning and train all necessary personnel to make them conversant with the maintenance and operation of the equipment.

Specialist Technicians are required to remain on the site following commissioning and train all necessary personnel to make them conversant with the maintenance and operation of the equipment. This activity may take more than a month. However the period of stay of Specialist Technicians may be restricted to 6 months from the date of commissioning.

A.5 Training:

A.5.1 Compulsory Training

The training shall be completed in batches within warranty period from the date of commissioning of the equipment in the respective project. The supplier in consultation with the project in-charge / HOD [Excavation] of the respective site shall make available experienced personnel to conduct training of engineers, supervisors, technicians and operation personnel for specified period as mentioned in table given in 'Schedule of Requirement of Services' from the date of issue of acceptance certificate of the equipment. The training shall cover the following:

- a) Training on simulator module by the bidder at their works/suitable location in India/suitable end user's location is mandatory.
- b) Equipment system, safety and risk assessment.
- c) Equipment operation and maintenance.
- d) Trouble shooting, localization of fault and their remedies covering:
 - 1. Electrical and electronics
 - 2. Mechanical
 - 3. Hydraulic system
 - 4. Lubrication system
 - 5. Pneumatic system etc.
- e) Training on maintenance of OEM bought out systems, e.g., engine, transmission, hydraulic aggregates / system, electrical drives system etc., by the manufacturer of the system.
- f) Training on Digital system of the equipment including OBD (on board display) and communication port data management, Health and productivity management system of the equipment.

Comprehensive training manuals with clear illustration shall be provided to each participant in English language. The training courses shall be conducted in both English and Hindi language.

Details of purchaser's estimates of the minimum training programme required for total fleet of equipment in a particular project is described in Schedule of Requirement.

A.5.2 Additional training within the contract period after completion of warranty period

Supplier have given an undertaking in their bid to impart training to the CIL personnel at time within the contract period after completion of warranty, in addition to the compulsory training as per provision of clause A.5.1.

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- (b) The additional training will be as per requirement of the user and the scope of training will be same as per the compulsory training provision of clause A.5.1.
- (c) The training will be on chargeable basis and additional payment to the supplier will be made at same rate what individual supplier will be charged for compulsory training.

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Part B

Specific Site Requirements

B.1 Project Specific Requirements

The equipment shall be suitable for use at the specific site projects under the conditions detailed below.

B.1.1 GEVRA OCP, SECL

The Gevra Opencast Project is owned by the South Eastern Coalfields Limited, a wholly owned subsidiary of Coal India Limited (the "Purchaser"). The mine is located partly in the Korba District of Chattisgarh. The nearest rail head is Gevra Road station on Champa – Gevra Road branch line of the South Eastern Railway Network.

Geological Conditions

Lateritic soil and sub soil, fine to coarse sandstone, sandy shale and carbonaceous shale.

Water Supply

Hasdeo river is the main source of water supply which is approximately 10 Km from mine site.

B.1.2 NIGAHI OCP, NCL

The Nigahi Opencast Project is owned by the Northern Coalfields Limited, a wholly owned subsidiary of Coal India Limited (the "Purchaser"). The mine is located in the Sidhi District of Madhya Pradesh approximately 9 Km from Singrauli railway station on Chopan-Katni branch line of Eastern Railway.

Geological Conditions

The block is contiguous to Jayant block in the east and Amlohri block in west consisting of Sub-soil, Sandstone, Shale and clay.

Power Supply

The project will receive power at 132/33 KV through the Madhauli Substation of the Northern Coalfields Limited. An additional 132/33 kV at Nawanagar is installed.

Mine Water Quality

PH-5.5~9

Total suspended solid – less than 100 mg/Ltr

Water Supply

Linked to the IWSS (integrated water supply scheme) of the Northern Coalfields Limited

B.1.3 JAYANT OCP, NCL

The Jayant Opencast Project is owned by by the Northern Coalfields Limited, a wholly owned subsidiary of Coal India Limited (the "Purchaser"). The mine is located in the Singrauli District of Madhya Pradesh approximately 08 km from Singrauli railway station.

Geological Conditions

Soil, Sandstone and Shale.

Power Supply

One132/33 kV Sub- station will be source of supply.

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Mine Water Quality. PH 7.1:

Temp-28.5 degree Centrigrade.

Total Suspended Solid 25(mg/ltr)

Total Dissolved Solid 300 (mg/ltr)

Dissolved Oxygen 6.4

Biological Oxygen Demand 5

Chemical Oxygen Demand 14; Fe- 0.12

Water Supply

Linked to the IWSS (integrated water supply scheme) of the Singrauli Coalfields.

B.1.4 BINA-KAKRI Amagalation OCP, NCL

The Bina Opencast Project is owned by the Northern Coalfields Limited, a wholly owned subsidiary of Coal India Limited (the "Purchaser"). The mine (Marrak Block) is located 10Km south-east of Singrauli (Morwa) town and is situated in Sonebhadra District of UP. The singrauli and near Krishnashila Railway station on Sigrauli-Obra and Shaktinagar Karaila Rail links of East-Central Railway are located at a distance of 11Km North-West and 3Km east Of Bina OCP. The project is connected with all weather metalled road to Shaktinagar and Renukut.

Geological Conditions

A total of 6 series of formation have been recognised on broad lithic characteristics within the Gondwana rocks of Singrauli Coalfields. In ascending order they are: Talchir, Barakar, Barren Measure, RaniGani, Panchet and Mahadeva. The Barakar & Ranigani are the main coal bearing formations of the area.

B.1.5 DUDHICHUA OCP

The Dudhichua Opencast Project is owned by the Northern Coalfields Limited, a wholly owned subsidiary of Coal India Limited (the "Purchaser"). The mine is located partly in the Sidhi District of Madhya Pradesh and partly in the Sonebhadra District of Uttar Pradesh approximately 14 km from Singrauli railway station.

Geological Conditions

Soil & Sub soil, Sandstone and Shale.

Power Supply

The Project will receive power at 132/33 kV through the Morwa Sub-station of the MPEB..

Mine Water Quality

PH 7.72

Total Suspended Solid 100(mg/ltr)

Water Supply

Linked to the IWSS (integrated water supply scheme) of the Singrauli coal fields

B. 1.6 AMLOHRI, OCP, NCL

The Amlohri Opencast Project is owned by the Northern Coalfields Limited, a wholly owned subsidiary of Coal India Limited (the "Purchaser"). The mine is located in the Sidhi District of Madhya Pradesh approximately 10 Km from Singrauli railway station.

Geological Conditions LIMI

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The block is contiguous to Nigahi block in the east and Moher block in west consisting of soil, Sandstone, Shale.

Power Supply

The project will receive power from 2 x 40 MVA, 132/33 KV through the Madhauli Substation of the Northern Coalfields Limited.

Mine Water Quality

PH-5.5~9

Total suspended solid – less than 100 mg/Ltr

Water Supply

Linked to the IWSS (integrated water supply scheme) of the Northern Coalfields Limited.

B.1.7 KRISHNASHILA OCP, NCL

The Krishnashila Open Cast Project is owned by Northern Coalfields Limited, a wholly owned subsidiary of Coal India Limited (the "Purchaser"). The mine is located in the Sonebhadhra District of U.P.

Project is approximately 3 km from Krishnashila Railway station.

Geological Conditions

Krishnashila OCP is situated in Merck geological block. The entire block area is covered by middle & lower Barakars with a thin cover of soil & alluvium at places Four coal seams occur in the block viz. Kota Turra, Purawa, Bottom, Purwa top.

Power Supply

The project will receive power at 33 KV and distributed 6.6 KV through Sub-Station Bina CHP

Mine Water

Quality

PH Value 7,3 to

8.2

Total Suspended Solid 64 to 220 mg/ltr.

Water Supply

IWSS For drinking water

Mine water for Industrial use

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Part C

General Requirements

C.1**Geography and Climatic Conditions**

Elevation:-

The natural surface varies from 100 to 1000 m above mean sea level.

Climate:-

The climate of the coal mines, where the equipment will be deployed, is sub-tropical to tropical, dusty, with a hot and humid atmosphere. Monsoon rains occur in the period from June to October.

Ambient Conditions:-

Relative Humidity

Maximum 98%

Temperature

Minimum 0° C

Maximum 50° C

Rainfall:- The mean annual rainfall is 1,000mm – 1,200mm, 90 to 95 % of which may fall in rainy season from June to October.

Wind:- April to September

South to South Westerly

October to March

North Westerly

Speed:-

8 km per hr average

100 km per hr maximum

C.2 Goods (Equipment and Machinery)

Detailed specifications of the Equipment to be supplied are given in **Part D** of this section.

In general, all items shall be:

- New, unused, of the current design [incorporating latest proven features] and not likely to be discontinued or become obsolete during the lifetime of the equipment.
- Designed and constructed to handle without overload and for the working hours stated, the maximum volumes/rates specified;
- Designed to facilitate ready access, cleaning, inspection, maintenance and repair of component parts:
- Designed to facilitate rapid changeover of consumable items.

The supplier shall ensure that suitable latest technology available worldwide as on date shall be adopted in the quoted model of equipment and shall not be discontinued during life time of equipment. However, in case, technical up-gradation is unavoidable the same may be adopted in the supplied model of equipment with due clearance of Head of Excavation department of Subsidiary Co. Supplier shall not seek any technical modification / up-gradation at the cost of buyer before completion of 05 years from the date of completion of guaranteed availability contract period of the equipment except, when any modification / up-gradation is required for

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compliance of any statutory guideline issued from regulatory body of Govt. of India, DGMS, State Authority etc.

The component parts of all items shall, wherever possible, be selected from the standard ranges of reputable manufacturers.

The Equipment and accessories shall be physically robust and where necessary capable of dismantling for transportation and ready re-assembly using simple tools. All Equipment items provided shall be designed to be compatible within the proposed overall Scope of Supply.

Electrical Equipment shall provide all protection devices, controls and interfaces for the Equipment to operate safely and efficiently.

All workmanship and materials shall be of first class quality in every respect.

All parts and surfaces, which are exposed to corrosive environment, shall be suitably protected to prevent any effects of corrosion or erosion.

C.3 Services

The supplier shall be responsible for the erection, testing and commissioning of the equipment at site for which the supplier shall depute qualified and competent Engineer(s) and specialist technicians.

C.4 Standards

The design, supply, erection, testing and commissioning of all Equipment under this Contract shall in all respects comply with the requirement of this specification and with the appropriate current Indian standards and codes, or relevant Standards issued by the Indian/International Standards Organization or any other equivalent international standards, which corresponds to specific IS/ISO indicated in the technical specification. Such equivalent international standards are to be supported by documentary evidence certifying that offered standards are identical to the corresponding IS/ISO.

The equipment shall comply with requirements of the statutory government authorities, including Director General of Mines Safety (DGMS) having jurisdiction over the equipment and its use.

The system of units for all measurements shall be the Système International (d'unités) (S.I.)

C.5 Suppliers Responsibility

The Purchaser requires that the Supplier shall accept responsibility for the provision of complete operable and compatible Equipment and systems within the Scope of Supply. This document identifies only the major items required for the installation and the Supplier shall ensure that the total supply includes all necessary Equipment for it to function effectively, safely and efficiently. Any additional items the Supplier considers necessary to ensure compliance with such a requirement shall be identified and included.

If the Supplier observes that this Specification document contains any anomalies, ambiguities, flaws, errors or omissions, the Supplier shall immediately bring these to the attention of the Purchaser in the Pre-Bid Conference.

The Supplier shall be responsible for the erection, testing and commissioning of the Equipment and ensure that it meets the requirements as specified. The commissioning and setting to work of

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the whole Equipment Supply package shall be carried out by the Supplier in conjunction with the Purchaser's nominated personnel.

C.6 Spare Parts Provisions

C.6.1.a. Availability of Spare Parts

All items and Equipment proposed shall be of current design and manufacture. The Supplier shall warrant that sufficient spares and servicing facilities will be available to maintain the Equipment in use throughout its life.

C.6.1.b Bought-out assemblies and sub-assemblies

Detail are given in Annexure – (6b)

C.6.2 Provision of Spare Parts

C.6.2.1 Within the Contract Price, the Purchaser shall agree to purchase all Operational, maintenance and standby/contingency spare parts, consumable items, wear materials, maintenance tools and special tools (hereinafter collectively referred to as "Spare Parts", unless the context requires otherwise) in accordance with the Supplier's recommendations for 06 years from the date of issue of the Commissioning Certificate. Similarly, within the Contract Price, the Purchaser shall also agree to purchase consumable items (hereinafter referred to as "Consumables") in accordance with the Supplier's recommendations for 06 years from the date of issue of the Commissioning Certificate. The schedule of supply of spares and consumables shall be as indicated in Schedule of Requirement. In addition, the Supplier shall provide Spare Parts and Consumables for Commissioning.

Consumables shall include items such as oils, lubricants and fluids.

The supplier shall submit a separate schedule showing consumable spares and consumables proposed to be supplied by them in the 1st (twelve) months period for each equipment from the date of commissioning of equipment as per 'Schedule of Requirement' to comply with the provisions herein contained.

Management and storage of spares and consumables from 2nd year of operation from the date of commissioning onwards (i.e. after completion of warranty period) till completion of contract period will be under the scope of the supplier. The Spares Cost Cap shall be project-wise wise for dozers. The modalities of operation of Spares Cost cap model shall be as follows:

i) Reconditioned/Repaired/Refurbished spares/assemblies/sub-assemblies will not be supplied under Spares Cost Cap.

However, only Major Assemblies can be repaired and reused/ or kept as float for use in other machines. Repair will be done based on joint inspection of the User & Supplier. The list of major assemblies which can be repaired and reused are as follows:

- a) Engine Assembly
- b) Transmission
- c) Torque-Convertor
- d) Final Drive
- e) Blade Assembly
- f) Under Carriage
- ii) The Spares Cost Cap shall be in Indian Rupees (INR) only and exclusive of estimated GST shall also be indicated separately. The Spare Parts Stores/facility to be operated by the Supplier shall be GST registered storage facility or else the supplier will have to get the

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Stores/facility registered with GST authorities at least before commencement of Spares Cost Cap in the 2nd year of operation of the first equipment commissioned.

- iii) The supplier shall submit the comprehensive Price List at least 6 months prior to the 2nd year of operation of the first equipment commissioned (in hard copy duly signed as well as in soft copy), covering all the spares and consumables and assemblies / sub-assemblies etc. required during lifetime of the equipment to CIL. CIL will examine the same with respect to any other Price List, if available, applicable on the first date of applicability like Depot Agreement Price List / RC prices etc. and after its approval, circulate the approved Price List to the concerned subsidiary HQ and mines/projects. This list may be different from the Depot Agreement price list to the extent that the Price List under Spares Cost Cap will be comprehensive one including all bought out items, oils and lubricants etc. whereas the Depot Agreement Price List normally excludes these items. The approved Price List will be valid at least for a period of one year from its applicable date. If any item appears in this Price List as well as in the Depot Agreement Price List / RC price list / any other approved Price List of the same firm for other equipment, the lowest price will be applicable against all such lists. The time period for such circulation of approved Price List shall be about 3 months prior to the 2nd year of operation of the first equipment commissioned. In case of delay in circulation of the approved Price List, the Supplier may continue to supply the items as per the Price List submitted to CIL but these provisional rates will be regularized subsequently when the approved Price List is circulated by CIL.
- iv) For subsequent years during the contract period, the supplier may continue with the same approved Price List or submit the next Price List (in hard copy duly signed as well as in soft copy) which may include items with alternate part nos., if any. However, no new item shall be included. If a new Price List is submitted, it should be submitted at least 6 months prior to the applicable year of operation of the first equipment commissioned to CIL along with the statement of increase / decrease in item-wise prices from the previous approved price list with proper justification for increase in prices. CIL shall examine the same especially in relation to the increase with the previous year etc. and after its approval, circulate the approved Price List to the concerned subsidiary HQ and mines/projects. The time period for circulation of approved Price List shall be approximately within 3 months after receipt of the new Price List. In case of delay in circulation of the approved Price List, the Supplier may continue to supply the items as per the previous approved Price List in operation but these provisional rates will be regularized subsequently when the approved Price List is circulated by CIL.

Further, if for the compliance of any statutory, regulatory or environmental regulation or guidelines from DGMS or other institutions / GOI, the new parts for compliance of such regulations may be included in the price list with documentary evidence related to implementation of such guidelines. Otherwise, no items will be included.

- v) For items, which are not covered in the approved Price List(s), but need to be supplied, the supplier shall supply the same free of cost during the complete period of contract.
- vi) The Supplier will assess the requirement of spares and consumables for the particular year of operation and submit the list of spares and consumables including quantity to the Excavation Engineer In-Charge of the Mine/Project, 3 months in advance of the respective year of operation. The Excavation Engineer In-Charge, after verifying that the same is in order, shall send the same to the Excavation Engineer In-Charge of the Area. The Area, shall proceed to place an Open Provisional Purchase Order, based on the prices as per available Price List, through the Area Purchase Cell on the Supplier within the Spares Cost Cap Value of the particular year. For placing the Open Provisional Purchase Order by the Area Purchase Cell, no formal approval is required. If any item is not appearing in the Price List, it will be supplied on FOC basis.

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- vii) Once the Open Provisional Purchase Order is placed by the concerned Area Purchase Cell, it is the responsibility of the Supplier to ensure that these spares and consumables are made available to the mine / project as and when required.
- viii) Fortnightly Inspection Report(s) regarding the health of the equipment including all safety features etc. will be prepared jointly by the Supplier and the Excavation Engineer-In-Charge of the Mine/Project for short term and long term planning for requirement of spares and consumables and these joint Inspection Reports will be the basis for assessment and confirmation of requirement of spares and consumables under Spares Cost Cap.
- ix) Based on the requirement generated as per the fortnightly Inspection Report(s), the Area Excavation Engineer-in-Charge will send to the Area Purchase Cell, the complete details of those spares and consumables against the Open Provisional Purchase Order, which are required for the month/quarter depending on the nature of equipment. The Area Purchase Cell shall thereafter proceed to place Formal Order on the Supplier within 10 days with the concurrence of Area Finance and approval of Area GM. In case the items are not covered in the Open Provisional Purchase Order but the prices are indicated in the approved Price List, the same may also be taken into consideration as long as the limit for Spares Cost Cap is not exceeded. The delivery of the spares and consumables to the Regional/Area Stores shall be made thereafter within 15 days. The materials shall be routed through Regional/Area Stores of the concerned Area (not unit stores / charged off stores). The procedure for acceptance of materials, lifting of materials from Stores, use in the machine and payment to be made shall be as follows:
- The supplier will supply the requisitioned spares and consumables along with copies of GST Invoices, delivery challans etc. to the Consignee duly indicating part no. description, quantity etc.
- The Regional/Area Stores will enter the receipt of the items in the concerned register and arrange for inspection of the items by the concerned Area Engineer(s) or his authorized representative(s). On acceptance of the material, the Stores Receipt Voucher (SRV) will be raised by the Regional/Area Stores. The materials will then be moved from the Receipt Section to the Issue Section.
- Based on requisition from the concerned Mine/Project Engineer(s), the Regional/Area Stores will issue the materials and complete the paper formalities for issue of the items.
- Once the materials have been issued, the concerned Mine/Project shall keep record of the same when the material is used on the machine. All concerned details shall be recorded in a register (which may be in electronic form) to be maintained by the Excavation Engineer In-charge of the Mine/Project.
- The Regional/Area Stores after issuance of SRV, shall send a copy of the SRV and other related documents like invoices, guarantee/warranty certificate etc. to the Area Finance dept. for payment purposes. A copy of the same will also be sent to the concerned Area Excavation Dept. for maintaining the records in respect of Spares Cost Cap value.

The Finance dept. at the Area will then verify the documents and thereafter send the same to the Paying Authority of the concerned subsidiary for payment. Once the payment is made, the Excavation dept. at the subsidiary / area / mine /project will be informed so that the equivalent amount may be reduced from Spares Cost Cap value for the particular year.

The unutilized Spares Cost Cap value for each year will be carried forward to the subsequent year till completion of contract. However, the unutilized value of Spares Cost Cap, Many, at

the end of the contract, will lapse.

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- xi) In case of total value of spares and consumables for a particular year exceeding the Spares Cost Cap of a particular year, the additional spares and consumables shall have to be supplied on FOC basis. The procedure for accounting and maintenance of records to be followed for FOC supplies will also be the same as above.
- xii) The supplier shall stock & maintain sufficient inventory of spares and consumables, required for all kinds of maintenance and repairs of equipment during complete contract period.
- xiii) The payment during the relevant year of operation shall be made as per the prevailing approved price list for Spares Cost Cap only. The payment by the Paying Authority of the concerned subsidiary shall be made within 21 days of receipt and acceptance of materials at Regional/Area Stores and after receipt of documents stipulated in the SCC.
- xiv) Statement of consumption of spares and consumables with quantity and value for each month of the respective year of the Spares Cost Cap, shall be signed by the Mine/Project Excavation Engineer-In-Charge and the concerned representative of the Supplier. It shall be maintained by the Mine/Project and a copy of the same shall be sent to Excavation Engineer-In-Charge of the Area and Subsidiary HQ. The annual report of the consumption shall be maintained by the Excavation Engineer-In-charge of the Subsidiary HQ.
- C.6.2.2 In the event that the spare parts and consumables, as recommended by the Supplier, in any way fall short of actual requirements during the period for which they are said to be adequate, the supplier shall provide such additional spare parts and consumables as are necessary at the final destination. Such additional spare parts and consumables shall be provided by the Supplier to the Purchaser beyond the Spares Cost Cap value free of all cost and shall be transported to Site by air freight internationally and by air, rail or fast road transport within India.
- C.6.2.3 In the event that the spare parts, Insurance items and consumables, as recommended by the Supplier, are in excess of actual requirements, the Purchaser will require the Supplier to repossess or repatriate or otherwise dispose of such excess spare parts and consumables in exchange for payment to the Purchaser of the Contract landed Price (with taxes and duties) of the spare parts and Consumables concerned.
 - The Purchaser shall notify the Supplier, in writing of its requirements under this Clause within thirty (30) days of completion of the contract period referred to in Clause C.6.2.1 hereof.
- C.6.2.4. In the event that operation of the equipment is inhibited or frustrated as a direct result of lack of spare parts and consumables, pursuant to Clause C.6.2.2 hereof, then the period referred to in Clause C.6.2.1 hereof shall be extended by a period of not less than the period during which operation as aforesaid was inhibited or frustrated.
- C.6.2.5. The supplier shall not be liable for the supply of additional spare parts and consumables, nor to extend the period referred to in Clause C.6.2.1 hereof, if and to the extent that, additional Spare Parts and Consumables are required by reason of unforeseen accidents, negligence or misuse on the part of the Purchaser or actual working hour exceeds the total expected hours as mentioned in clause C.6.2.6.
- C.6.2.6 The assessment of the Supplier of the spare parts requirements shall be based upon the expected working hours per year as defined in the individual Equipment Specifications included in the Technical Specifications.

In accordance with the provisions of clause D.7, Part - D of the technical specifications the expected working hours per annum from 1st year to 3rd year are 5000 (five thousand) hours and from 4th year to 6th year are 4500 (four thousand five hundred) hours for 850HP Crawler Dozers. The expected average working hours per annum as indicated are only approximate hours and may vary + 500 hours.

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Total duration of contract will be 6 years for Crawler Dozers irrespective of working hours.

In case, actual average working hours of the fleet of the project exceeds $31,500 [\{(5500 \text{ x }3) + (5000 \text{ x }3)\}] = 31,500]$ hours during the tenure of 6 years (72 months) of contract period, then spares and consumables items, if additionally required and agreed by the purchaser, will be procured by the Purchaser from the Supplier.

C.6.3. Emergency Spare Parts

- C.6.3.1. Emergency spare parts required by the Purchaser to repair breakdowns shall be dispatched to the site by the Supplier by the fastest, practicable means as directed from time to time by the Purchaser.
- C.6.3.2. For the purpose of Clause C.6.2.6, "Emergency Spare Parts" shall mean those spare parts or components required by the Purchaser to repair any item of Equipment supplied pursuant to the Contract in the event of a breakdown not attributable to a failure covered by guarantee or a failure of the Supplier to provide adequate Spare Parts or Consumables.
- C.6.3.3 Payment in respect of the supply and delivery of such Emergency Spare Parts shall be made promptly, retrospectively, by the Purchaser, in a manner consistent with the terms of payment described in the contract.

C.6.3.4 Lifetime Spare Parts

The Supplier undertakes and guarantees to produce and maintain stocks, to be available for purchase by the Purchaser under separate agreement, of all Spare Parts and Consumables as may be required for maintenance and repair of the Equipment throughout its working life. In the event that the Supplier wishes to terminate production of such Spare Parts, the Supplier shall:

- (a) give not less than six months' notice in writing of its intention to terminate production in order to permit the Purchaser reasonable time in which to procure needed requirements; and
- (b) immediately following termination, provide to the Purchaser at no cost, manufacturing drawings, material specifications and all necessary permissions to facilitate manufacture of the Spare Parts elsewhere.
- (c) any change in part number or superseded part number should be informed to the HOD of Excavation department / MM department of subsidiary hqrs. and the project site wherever the equipment is operating.

In any event, the Supplier shall not seek to terminate manufacture of spare parts for a period of not less than 15 (fifteen) years from taking over or the life time of the equipment whichever is later.

C.6.4 Oils, Lubricants and Fluids

The detailed schedule of all necessary oils, lubricants, fluids for the operation and maintenance of Equipment are given in Annexure - (6c).

First Fill of OEM recommended Oil and Greases or its equivalent available in India is to be supplied by the Supplier at their cost.

6.5 General

C.6.5.1 Nothing in this Clause C.6 shall relieve the Supplier of any Guarantee, Performance or other obligations or liabilities under this Contract.

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C 7 Guaranteed Availability Provisions:

Equipment	Minimum Annual Guaranteed Percentage Availability				
Dozer	1st to 4th year	5th to 6th year			
Komatsu Make, Model- D475A- 5E0, Crawler Mounted Dozer (without Ripper attachment) Engine Net Power 890 HP (664 KW) @ 2000rpm	80%	79%			

C.7.1 Introduction

- **C.7.1.1** The Supplier shall guarantee that the Equipment supplied pursuant to this Contract shall be available for use by the Purchaser and shall meet the performance criteria specifications at the level and in accordance with the terms and conditions of the Availability Guarantee herein contained.
- C7.1.2 Where Equipment supplied under the Contract fails to meet the criteria of the Availability Guarantee, the Supplier shall, at its own cost, provide suitably qualified and experienced personnel at Site to demonstrate to the Purchaser's satisfaction that the required level of availability can be achieved and maintained.
- **C.7.1.3** The Supplier shall provide the Services of such personnel at Site within seven (7) days of notification by the Purchaser that the availability criteria have not been met in any one (1) month.

C.7.2 Guarantee

- **C.7.2.1** The Supplier shall guarantee that the Equipment supplied pursuant to the Contract shall be available to the Purchaser at the level hereinafter defined to perform to criteria of not less than that defined in the Technical Specifications incorporated in the Contract.
- **C.7.2.2** The Supplier shall guarantee that the Equipment shall be available to perform its duty to minimum criteria and to the minimum availability percentage level as defined in the individual Equipment specifications included in the Technical Specifications.

The method of assessment applied shall be as follows:

Method of Assessment:

The following calculation shall determine the availability of the Equipment:

% Availability = Scheduled Available Time - Downtime Scheduled Available Time

Scheduled Available Time shall equate to 24 hours daily.

Downtime:-

Downtime shall mean all hours of work lost due to mechanical, electrical or other failure, including:

Routine servicing and maintenance in accordance with the manufacturer's published recommendations, including:

Changing oils, oil filters and air filters; lubrication; changing identified consumable or wear parts.

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b) Planned preventative maintenance programs;

It shall not however include:

- I. Damage due to abusive use or incorrect operation methods by the purchaser;
- III. Strikes or stoppage of work by the Purchaser's personnel;
- IV. Natural disaster;
- v. Lack of Spare Parts not attributable to a failure of the Supplier.

Note – For (I) & (II), a joint inspection report will be prepared with supplier within 3 days from the date of occurrence of incident and repairing works will be done in consultation with supplier.

Downtime shall also specifically include all hours lost due to failures determined to be guarantee failures.

The Supplier shall provide a schedule of maintenance required to carry out (a) and (b) above for the contract period of operation and shall state the number of hours required to carry out each maintenance task. The time stated shall, with the agreement the Purchaser, form the basis of the assessment of the availability.

This schedule of tasks and time will be reviewed periodically by the Purchaser and the Supplier, jointly, to monitor the practicality of the schedule.

The Purchaser will assist the Supplier, without relieving the Supplier of any other obligations under the Contract, to achieve the guaranteed availability by:

- 1. Providing normal and proper maintenance, including preventative maintenance in accordance with the Supplier's standard/published recommendations, and making all necessary repairs using only spare parts provided by the Supplier in accordance with the requirements specified in part C6.
- 2. Providing co-operation to all Suppliers' authorized representatives, complying with all reasonable procedural suggestions to improve efficiency of machine operation or reduce downtime.
- 3. Where appropriate, providing and maintaining such conditions as:
 - Proper Electrical Supply
 - Terrain Area
 - Bench Preparation
 - Reasonable Floor Conditions
- 4. Providing all Suppliers' authorized representatives access at all reasonable times to machine service and repair facilities.
- 5. Maintaining a logbook for each shift wherein the working hours, breakdown hours, maintenance hours, idle hours, etc. shall be recorded. This record will be available for examination and signature by the Supplier's representative.

Any downtime on Purchaser's account shall not be considered for availability calculation.

Any substantial delay in providing Manpower/ Crane from buyer's side will be recorded jointly for calculation purpose.

Hindrance register has to be maintained in this regard. Hindrance register format is provide in the Contract. Monthly status to be intimated to the GM (Excv) of the subsidiary monitoring purpose.

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C.7.3 Effect and Duration of Guarantee

- C.7.3.1 This Guarantee shall become effective on the day on which the Equipment is commissioned at the Site. Commissioning shall be evidenced by the issue of the Purchaser's Acceptance Certificate.
- **C.7.3.2** This guarantee shall remain effective for the entire contract period from the date of commissioning irrespective of the hours operated by the Equipment during the period of the guarantee.

C.7.3.3 Compensation for not achieving Guaranteed Availability

In the event that Equipment fails to achieve the Availability herein provided, measured over each twelve (12) month period, the Supplier shall be liable for and pay to the Purchaser, as liquidated damages, a sum equal to as indicated hereunder for each equipment against the PBG/extended SDBG / bills submitted by the bidder as per clause-2 of SCC

- a. 1% of the delivered landed price of the equipment including the Spares Cost Cap for the year in which the machine could not achieve guaranteed availability for reduction in every percentage or part thereof from the Guaranteed Availability for the first 5%.
- b. 10% of the delivered landed price of the equipment including the Spares Cost Cap for the year in which the machine could not achieve guaranteed availability for reduction beyond 5% from the guaranteed availability.

Note: Whenever deductions for unsatisfactory performance of equipment are made within the tenure of the PBG/extended SDBG/amount held back as PBG, the amount deducted, from the PBG/extended SDBG/amount held back as PBG, should be replenished within a month in order to ensure that the original value, of the PBG/extended SDBG/amount held back as PBG, remains the same.

C.8 Deemed Breakdown

When the supplier is unable to supply the replacement of a failed part during the contract period, and if the machine is commissioned by using the spares from the stock of the project, the period after 21 days till the supplier replaces the part shall be treated as 'deemed breakdown' (the credit for keeping machine available shall not be given to the supplier.)

The supplier shall not in any way be allowed to take out spare parts from other equipment, which are under breakdown and covered within the scope of this contract. However, CIL, in the interest of work, reserves the right to advise the supplier to commission the breakdown equipment covered under this contract by taking out spare parts from other breakdown equipment. Nevertheless, during this period also, the equipment shall be treated as 'deemed breakdown' till the supplier replaces the spare parts.

C.9 Composite-warranty/guarantee

The supplier shall warrant that the equipment supplied under this contract is:

In accordance with the contract specifications.

The equipment shall have no defects arising out of design, material or workmanship & the complete equipment shall be warranted for 12 months from the date of commissioning any defect arising observed on this account will have to be attended immediately.

The supplier must ensure that there is no major breakdown due to manufacturing design defects during the warranty period. In case such breakdown occurs, the purchaser reserves the right to extend the warranty period suitably.

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The warranty shall cover for total equipment so that comprehensive responsibility lies only with the equipment supplier although components may be supplied by different suppliers to the bidder.

C.10 Quality Assurance

- C.10.1 The Supplier should furnish in detail its quality assurance plan for various stages of manufacture. The quality assurance plan shall be of the manufacturing plant where the bidder proposes to manufacture the equipment. The Quality Assurance plan shall comply with an internationally recognized quality assurance standard such as ISO 9000:2015 or its equivalent.
- C.10.2 The Supplier shall provide facilities to Purchaser or their authorized representatives for progress inspection during manufacture at his works and furnish all test data available in this regard for quality control, both for bought-out items and his own manufactured items.
- C.10.3 The Purchaser or its authorized representative, when so required by him, shall also be provided with samples of "bought-out" materials for the purposes of undertaking independent tests, which independent tests shall be at the expense of the Purchaser.

Details are given in Annexure- (6d)



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Part D - EQUIPMENT SPECIFICATIONS

Equipment Specification of a Crawler mounted 850 HP Dozer without Ripper Attachment

(ENGINE NET POWER 890 HP (664 KW) @ 2000 RPM)
MAKE - KOMATSU, MODEL – D475A-5E0

D.1 Scope of Specification:

This specification is intended to cover the technical requirements for the design, manufacture, testing, delivery, on-site erection and commissioning of a self-propelled, Crawler mounted 890 HP dozer without Ripper Attachment, Make- Komatsu, Model- D475A-5E0 [Engine Net Power Range 890 HP (664KW) @ 2000 rpm].

D.2 References:

The following Indian/International Standards as per latest amendment are referred to in, and form part of, the Specification. The superseded or equivalent standards, if any, to any of the following IS/ISO standards if offered are to be supported by documentary evidence in form of copies of the equivalent standards certifying that offered standards are identical to the corresponding IS/ISO standards of NIT.

IS/ISO Ref.	Description							
IS/ISO 2867	Earth-moving machinery - Access System							
IS/ISO 3449	Earth-moving machinery - Falling-object protective structures - Laboratory tests and performance requirements.							
IS/ISO 3457	Earth-moving machinery - Guards and shields - Definitions and Specifications							
IS/ISO 3471	Earth-moving machinery - Roll-over protective structures - laboratory tests and performance requirements							
IS/ISO 6014	Earth-moving machinery - Determination of ground speed							
IS/ISO 6405 : Part 1	Earth-moving machinery - Symbols for operator controls and other displays - Part I : Common symbols							
IS/ISO 6405 : Part 2	Earth-moving machinery - Symbols for operator controls and other displays - Part II : Specific symbols for machines equipment and accessories							
IS/ISO 6747	Earth-moving machinery, Tractors – Dozers, Terminology and commercial specifications							
IS/ISO 6750 : Part 1	Earth-moving machinery – Operation and maintenance –Contents & Formats							
ISO/TR 6750-2	Earth-moving machinery – Operation and maintenance – Operator's Manual-Part 2: List of references							
ISO 7095	Earth-moving machinery - Crawler tractors and crawler loaders - Operator's controls							
ISO 7129	Earth-moving machinery - Tractors with dozer, grader, tractor scrapers - Cutting edges - Principal shapes and basic dimensions							
ISO 7464	Earth-moving machinery - Method of test for the measurement of drawbar pull							
IS 12645/ISO 9246	Earth-moving machinery - Crawler and wheel tractor dozer bladeso- Volumetric ratings							
IS/ISO 9249	Earth-moving machinery - Engine test code - Net power							

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Other IS/ISO standards mentioned in the specification of individual

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D.3 Design Criteria:

The dozer shall be capable of continuous operation for protracted periods on a system of 3 shifts each of 8 hours duration per day throughout the year in hard, highly abrasive blasted sandstone/ rock having average density after blasting of 1800kg/m3.

The dozer shall have the following minimum range of drawbar pull, measured according to ISO 7464:

- a. 350 kN to 700 kN at 1 km/h speed
- b. 390 kN to 880 kN at zero speed

D.4 Technical Requirements:

D.4.1 Engine:

The dozer is be powered by a Komatsu Make, Model - SAA12V140E-3 direct injection 4-stroke turbo charged diesel engine of net power 890 HP (664 KW) @ 2000 rpm according to IS/ISO 9249.

The engine shall be provided with 24V electric starting, dry type 2-stage air cleaner with dust evacuator and dust level indicator and 2-stage fuel filter with water separator.

The engine shall have a water jacket cooling system, thermo-statically controlled, using an engine driven water pump, with the cooling water re-circulated through a heavy-duty radiator. The system shall be capable of providing sufficient cooling to allow the dozer to continuously operate at full rated output at the maximum ambient temperature. The radiator cap shall be fastened with body with the help of suitable chain/locking arrangement.

The moving parts of the engine shall be lubricated by an engine driven oil pump with full flow oil filtration and cooling.

The engine shall be provided with a heavy-duty pan guard / suitable protection as per manufacturer design.

The engine is to be fuel efficient having fully integrated electronically controlled monitoring system & real-time self-diagnostic features with built in protections. The Engine electronic control module should be fully integrated with all systems of power train for all operating conditions and be capable to monitor operator's and sensors inputs for optimum engine performance & reduced emissions level. All engine vital parameter data shall be integrated with On Board Display (OBD) system of operator's cabin.

The engine shall be environment friendly with minimum BS IV / EPA Tier-II or equivalent / higher standard certified. However, if any Engine emission norms higher than BS IV / EPA Tier-II are applicable as per regulations at the time of last date of bid submission, the same shall be considered. Certificate for EPA Tier II emissions standards from engine manufacturer is enclosed as **Annexure** – **6e.**

A suitable electronic tool (laptop) loaded with compatible software and all related accessories shall be provided project wise (1 no. laptop for a fleet of 5 nos. or part thereof) along with special tools for retrieval and analysis of the recorded critical parameters of self-diagnostic features, real time monitoring and equipment health-monitoring systems fitted with the equipment. Readable reports downloaded from each equipment will be provided.

Compatible Software loaded in electronic tool (Laptop) should be warranted for entire contract period

or more.

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- (i) The laptop along with software is within the scope of supply. Hence, it will be the property of purchaser after acceptance of the equipment.
- (ii) In case of any hardware problem of the laptop during the contract period, the supplier shall have to replace the same at free of cost along with the software.

D.4.2 Drive System:

Power transmission from the engine to the crawler drive sprocket is through conventional means i.e. torque flow transmission, differential, final drive, steering and brakes. A dynamically balance propel shaft with universal joints at both ends should be utilized for transmission of power. Adequate means should be provided to prevent damage to other components in the event of failure of universal joints.

Details are given in Annexure - 6f

Conventional Drive System: Following are provided in the offered equipment:

D.4.3 Transmission:

Equipment is fitted with Komatsu make torque-flow transmission consisting of water-cooled, 3-element, 1-stage, 1-phase torque converter with lockup clutch, planetary gear drives and hydraulically operated multiple disc type clutches equipped with suitable valves for developing 3 forward speed and 3 reverse speed.

Heavy-duty removable belly guard is designed such that it does not allow accumulation of dirt.

D.4.4 Final Drive:

Equipment is fitted with double reduction final drive of spur & planetary gear sets from differential to drive axle

D.4.5 Steering:

Equipment is fitted with PCCS lever, joystick-controlled, wet multiple-disc steering clutches are spring-loaded and hydraulically released. Wet multiple-disc steering brakes are spring-actuated, hydraulically released, and require no adjustment. Steering clutches and brakes are interconnected for easy, responsive steering.

D.4.6 Hoses:

The offered equipment is fitted with Fire resistant/ fire retarder hydraulic hoses in place of ordinary hoses to decrease the chance of fire. All the sleeves and conduits in which cable/wire are laid shall be of fire resistant /fire retarder type.

D.4.7 Undercarriage:

The undercarriage is heavy duty rugged designed suitably, suspended with oscillating type equalizer bar and pivot shaft to reduce shock loads transmitted to the dozer. Track frames and load rollers shall be of sufficient strength to withstand the high loads, which may occur due to uneven ground conditions. They are welded construction and stress relived as required. The sprocket is segmented bolt-on type. Lifetime lubricated idler and rollers, and a reliable track tensioning arrangement are provided. Extreme service single grouser shoes of **710 mm** width is provided.

D.4.8 Dozer Attachment:

The Dozer is fitted with hydraulically controlled Semi –U tilt dozer attachment. The dozer blade is heavy-duty type with steel wear plates and heavy-duty end bits. Heavy duty hardened steel wear resistant cutting edges, which comply with ISO 7129 is provided.

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D.4.9 Fuel tank:

The fuel tank has sufficient capacity for 16 hours operation without refuelling, and is provided with a level indicator and a lockable-hinged cap. Construction of the tank is such that it provides for easy accumulation and drainage of water with minimum loss of fuel. Fuel Tank is provided with Fast Fill System also.

D.4.10 Operator's Station:

A suitable Operator's Station is provided on the equipment as per Gazette notification issued by Chief Inspector of Mines vide F.No. Z-20045/01/2018/S&T (HO) Dhanbad, the 1st October, 2018 with subsequent amendments.

D.4.10.1 Operator's Cabin:

A fully insulated, high-visibility, rigidly mounted, sound-suppressed, vibration-suppressed, air conditioned, operator's cab with tinted safety glass should be so positioned to facilitate a clear and unrestricted view of the travel & work areas of the machine necessary for its intended use. The performance criteria shall be in accordance with IS/ISO 5006. The sound level inside the cab shall be below 85 dB while the equipment is operating, and with the door closed. All operating controls, all monitoring, working signals and emergency switch to stop the engine should be conveniently located in consoles within easy reach of the operator and shall comply with IS/ISO 6405 Part-1, IS/ISO 6405 Part-2, IS 11252/ISO 6682 & IS/ISO 10968. The operator's cab is provided with an emergency exit in addition to primary access path to the cabin.

Alternative opening (Emergency Exit): An alternative opening is provided on a side other than that of the primary opening. A window panel or another door is acceptable if they are easy to open or remove without the use of keys or tools. Latches may be used if they can be opened from the inside without the use of keys or tools. The breaking of a suitable size of glass pane is considered to represent a suitable alternative opening, provided that the necessary pane hammer, immediately accessible to the operator, is provided and stored in the cab. When the window panel is used as an emergency exit, it bears an appropriate marking.

Doors, Windows and flaps are securely held in their intended operating positions. Doors are be retained at their intended operating positions by a positive engagement device. The front window is fitted with motorized wind screen wipers and washers. The tank of the window washers are easily accessible.

Pipes and hoses that contain fluids at pressures exceeding 5MPa or temperatures above 60°C located inside the cab shall be suitably guarded.

D.4.10.2 Operator's Protective Structures:

Dozer is equipped with a roll-over protective structure (ROPS). The ROPS complies with IS/ISO 3471. Further, it is fitted with FOPS, when they are intended for applications where there is a risk of falling objects. The fitted FOPS is in accordance with IS/ISO 3449.

D.4.10.3 Operator's Seats:

The Operator's Station is fitted with an ergonomically designed adjustable seat that supports the operator in a position that allows the operator to control the machine under the intended operating conditions. The seat and its suspension are so designed to reduce vibration transmitted to the operator to the lowest level that can be reasonably achieved.

Seat Belt for operator with reminder is provided as per DGMS circular no. DGMS (Tech) Circular No

06 of 2020 Dhanbad dated 27.02.2020 with subsequent amendments.

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D.4.10.4 Operator's Controls and Indicators:

The controls have suitable design and construction and arranged so that they are able to be operated with ease from the operator's seat and within the operator's force limits. Controls are laid out and designed to allow easy and safe operation based on the principle that a given direction of movement of any control produces a consistent and expected effect. The surfaces of frequently used pedals shall be fitted with skid resistant type materials.

Controls that can cause a hazard due to inadvertent activation shall be so arranged, deactivated or guarded as to minimize the risk — particularly while the operator is getting into or out of the operator's station. The deactivation device are either be self-acting or act by compulsory actuation of the relevant device.

A device/system is provided to release the residual pressure in each hydraulic and pneumatic circuits which can cause a risk.

D.4.10.5 Starting and Stopping System:

Dozer is equipped with a starting and stopping device (e.g. key). The starting system has provision for protection against unauthorized use. The starting and Stopping system are designed such that movement of the machine, is not possible, while starting or stopping the engine, without activating the controls. (E.g. Transmission Neutral-Engine Start safety arrangement.)

D.4.11 Gauges and indicators/ Electronic Display:

The following are provided:

- a. Water temperature gauge
- b. Engine oil pressure gauge / indicator
- c. Fuel capacity gauge
- d. Engine tachometer
- e. Engine hour-meter

D.4.12 Warning Alarms / Lights/Indicator:

The following warning alarms are provided:

- a. Coolant level and temperature
- b. Engine oil pressure
- c. Converter oil temperature
- d. Front warning horn
- e. Reversing -DGMS complied Audio Visual Alarm.
- f. Warning alarms in case of failure of automatic lubrication system.

D.4.13 Engine Electrical System:

The dozer is provided with the following:

- a. 24V DC electrical system with suitable rated alternator of Sawafuji Electric make
- b. 24 V Electrical starter motor of Nikko Electric make
- c. High capacity maintenance free batteries of reputed make.
- d. Battery isolation switch / Relay

D.4.14 Lighting:

Adequate lighting is provided for safe nightshift operation. The lighting system includes the following

- a. 4 nos. LED headlights
- b. 2 nos. rear working LED lights
- c. 4 nos. ROPS mounted working lights (2-front and 2-rear)
- d. Cabin dome light

Headlights and rear working lights are identical in type and size and fitted in steel protective enclosures

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D.4.15 Guards and shields:

Adequate guards and shields, which comply with IS/ISO 3457, are provided throughout the dozer.

D.4.16 Automatic Fire Detection and Suppression System (AFDSS):

An automatic fire detection and suppression system manufactured in India by Southern Electronics/ Automation Control/ Maco Corp. will be provided on the equipment complying DGMS (Tech) Circular No. 06 of 2020 dated 27.02.2020 with subsequent amendments.

- Automatic fire detection and suppression system suitable for fire class A, B & C will be provided in the fire prone zone of the dozer.
- Supplier have submitted a schematic drawing indicating Plan of the system with relative position of items to be protected from fire.
- Fire detection and suppression of fire will be either total liquid flooding or dry chemical powder base spray through nozzle strategically through an actuation cartridge, located to the targets, or combination of the two.
- Fire suppression agent used in neighborhood of electrical appliances will be clean and shall not damage electrical / electronic component.
- Fire suppression system will be non-hazardous & safe for human and environment friendly. It should have quick cleanup and environmental sustainability.
- The sensor will send the signal to the control unit integrated with a LED and/or alarm indicator to show the status of the detector.
- The system will operate only in active fire area to supply adequate quantity of fire suppressing agent for effective firefighting and to avoid re-ignition and suitably designed to extinguish the fire as per class of fire (A, B & C) of that location.
- The system will be actuated automatically by detection of fire and control unit to be installed within the Operator's cabin for automatic system operation.
- The system will also have provision of actuating manually.
- The system will provide facility for self-checking /testing/inspection without operating.
- The data regarding health & event are logged in the system with date & time in memory having capacity to store data of at least 15days, which can be downloaded to PC/ Laptop in latter stage.
- The system will be capable for efficient operation in the extreme mining conditions with dust, dirt, water & vibrations.

The high pressure storage vessels and hoses, if used with fire- fighting and fire suppression systems, will confirm to the requirements stipulated in the relevant Indian standards.

The Supplier submitted a Certificate as an undertaking that, a valid Test Certificate (valid as on the date of commissioning of the equipment at site) shall be submitted at the time of supply of equipment along with other documents, for AFDSS including materials and chemicals used in fire suppression system from any Government or Government approved Laboratory in compliance with relevant Indian Standards as per DGMS (Approval) Circular No. 02 dated 08th July 2013 with subsequent amendments.

Note: Periodical refilling shall be done by the supplier.

Detail given in Annexure - (6g)

D.4.16 Fire Extinguisher:

A fire extinguisher manufactured in India by Southern Electronics/ Automation Control/MACO Corp. will be provided on the dozer, suitably mounted in heavy-duty bracket for ease of removal. The extinguisher is dry powder (cartridge type) with a minimum capacity of 5 kg and complies with Indian Standard IS: 15683 with latest amendment.

The Supplier submitted a Certificate as an undertaking that, a valid Test Certificate (valid as on the date of commissioning of the equipment at site) shall be submitted at the time of supply of equipment at one with other documents, for Fire Extinguisher including Materials and Chemicals to be used in Aire extinguisher from any Covernment or Government approved Laboratory in compliance with relevant

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Indian Standards as per DGMS Circular No. DGMS (Approval) Circular No.02 dtd. 08^{th} July 2013 with subsequent amendments.

Note: Periodical refilling shall be done by the supplier.

Detail given in Annexure - (6h)

D.4.17 Safety Features:

All safety features & devices as per Govt. Of India Gazette notification no. Z 20045/01/2018/S&T (HQ) dated 01.10.2018, DGMS Circular No. DGMS (Tech) Circular No. 06 of 2020 Dhanbad dated 27.02.2020 and subsequent amendments, if any, including following shall be provided in the equipment. The Supplier submitted a Certificate as an undertaking in this regard that all safety features and devices are incorporated in the equipment.

- a. Roll over protection.
- b. Turbocharger guard.
- c. Fire resistant /fire retarder hydraulic hoses and wiring near hot zone.
- d. Seat belt for operator -Seat belt reminder should also be provided to alert operator for using the seat belt.

Detail given in Annexure (6i)

D.4.18 Lubrication system

A centralized microprocessor/micro control /PLC based electrically operated, automatic lubrication system manufactured in India by Graco/SKF Engineering as per design of the manufacturer is provided to service all lubrication points on the machine, including those points where use of high viscosity lubricants is required.

The lubrication system is fully monitored to ensure adequate lubricant flow is maintained to all points of major parts. The monitoring system, wherever necessary, be interlocked with the relevant control circuits to prevent damage due to lack of lubrication at any point. Alarms and indications for failure of lubrication system is provided and shall be repeated in the OBD of operator's cab.

All lubrication lines and injectors/feed points are protected from damage. Location of all injectors/feed points are such that these can be conveniently inspected and repaired. The lubrication lines to the remote points should be properly guided. Flexible lines are only used where there is relative movement between parts and for final connection to movable components. Preferably steel piping is used for long runs and terminate in steel junction blocks or rigidly mounted bulk head connectors to prevent disturbance to steel piping when flexible hoses are replaced.

Fire/heat resistant/ retardant hydraulic hoses are provided in lubrication system. The vent valve on the top of hydraulic tank, can be removed without any tool. Lubricants recommended are of reputed make with Indian equivalent, if available.

Suitable motorized and manual Transfer Pumps as per design of the manufacturer to prevent contamination and mixing of different grade of lubricants will be provided.

Detail given in Annexure (6j)

D.5 Ancillary equipment and other requirements:

- a) Front pull hook
- b) Rear mounted rigid draw bar

D.6 Health Monitoring System (HMS)

The equipment shall be provided with suitable licensed, on-line, real time, monitoring interface facility, compatible for GPS / GPRS-based transfer of equipment performance data (commonly known as HMS) to third party equipment management system.

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The system shall have OBD Self-diagnostic & error alarm features and should capture the parameters of HMS module and other parameters not covered by HMS of the equipment to monitor the following items:

- i. Working hour, idle hour, based on the duration of a shift for which the equipment is switched on for operation
- ii. Engine oil pressure & temperature
- iii. Engine RPM
- iv. Coolant level and temperature
- v. Fuel level and fuel consumption rate
- vi. Hyd. oil temperature & pressure
- vii. Engine electrical system Battery voltage
- viii. Tyre pressure (tyre mounted machines)
- ix. Fault codes along with details
- x. Transmission/Gear Box vital parameters
- xi. Air/Hydraulic system vital parameters
- xii. All drive motors/ Transformer vital parameters (If applicable)
- xiii. Other Health monitoring parameters as applicable.

This system shall have suitable memory capacity to store above measured data in batch form for at least one month period and shall have suitable port to download these data to a laptop / data storage system.

Alert audio messages to be given to Dozer Operators for the following events:

- a. In the case of operator exceeds pre-defined maximum speed.
- b. In the event of any equipment travelling in opposite direction falls in line.
- c. Fire warning to operator and to control room in case of catching fire.

The supplier shall provide the following:

- A. There has to be one integrated single online port for capturing all the vital data.
- B. The equipment should have a suitable licensed, on line, real time, monitoring interface facility compatible for GPS based transfer of equipment data to third party equipment management system.
- C. The real time interface telemetry port will be provided in the equipment
- D. All the data shall be available in the individual form through single port and its protocol must be as per global standards.
- E. There shall be no additional requirement of any data converter for data capturing like Analog to Digital and vice-versa etc.
- F. There shall be integrated on board data management system as explained at point no.3 as above.
- G. The system should have an On Board Display Self-diagnostic & error alarm features.
- H. Permission to third party for interfacing, data collection through online port.
- I. Signing of Non-disclosure agreement to protect intellectual property right on either side.
- J. To provide full technical support to third party vendor for interpretation and defining parameters for individual alarm to monitor equipment vital data.
- K. The HEMM equipment supplier should provide access to data as required by end user without any financial implication to third party.

This interface facility shall be made available till the working life of equipment.

However, the supplier shall provide this interface facility during the contract period as a part of contract cost.

To ensure the satisfactory operation of above system, a tripartite agreement shall be signed by the user, supplier and the service provider / System Integrator.

Details given in Annexure - (6k)

D.7 Performance Guarantee:

In accordance with the provisions of clause C 6.2.6 of the technical specifications the expected working hours per annum from 1st year to 3rd year are 5000 (five thousand) hours and from 4^t

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year to 6th year are 4500 (four thousand five hundred) hours. The expected working hours per annum as indicated are only approximate hours and may vary +/- 500 hours.

In case, actual average working hours of the fleet of the project exceeds $31,500 [\{(5500 \times 3) + (5000 \times 3)\}] = 31,500]$ hours during the tenure of 6 years (72 months) of contract period, then spares & consumables items, if additionally required and agreed by the Purchaser, will be procured by the Purchaser from the Supplier.

In accordance with the provisions of clauses C 7.2.2 and C 7.3.2 of the technical specifications the supplier shall guarantee that the availability of each equipment shall not be less than 80% (eighty percent) annually for a period of 1st year to 4th year of operation and 79% (seventy nine percent) annually for a period of 5th year to 6th year of operation from date of commissioning.

During contract period of 6 Years (72 Months), a period of 07 (Seven) days per year shall be allowed to equipment supplier in consultation with project Excavation head, from 5th year to 6th year for each machine for planned maintenance of equipment. This down time [maximum period of 07 (Seven) days] arising due to such maintenance of the equipment shall be treated as out of schedule for annual availability calculation in the relevant year. This period of 07 (Seven) days shall be provided once only in each applicable year and not in a staggered or partial manner. In case of any spillover of maintenance job(s) beyond such 07 (Seven) days period shall be treated as breakdown hours.

D.8 Expected life of major assemblies:

Detail given in Annexure - (61)

D.9 Information to be provided by the supplier:

The supplier shall furnish the following information.

D.9.1 General:

- a) Details of special tools given in Annexure (6m)
- b) Details of erection programmes given in Annexure (6n)

D.9.2 Technical Details:

- i) Detailed technical descriptions and specifications of the dozer are given in Annexure (60).
- ii) Layout drawings and detailed descriptions of all machinery including method of power transmission, mounting details and method of alignment are given in **Annexure** (6p).
- iii) Latest engine performance curves showing net power, net torque and specified fuel consumption of the installed engine, measured according to IS/ISO 9249 are given in **Annexure** (6q).
- iv) Maximum travel speed determined according to IS/ISO 6014 Detail given in Annexure (6r)
- v) Calculation of volumetric rating of dozer blade in accordance with IS 12645/ISO 9246.

 Detail given in Annexure (6s)
- vi) Dozing Production Curves, showing the following.
- a. Production with offered blade at 30m distance.
- b. Production with offered blade at 60m distance.

Detail given in Annexure - (6t)

vii) Detail technical description of Automatic fire detection and suppression System with Layout Sketch are given in Annexure – (6g).

viii) Detail technical description of Automatic lubricating System with Layout/Sketch are given Annexure – (6j).

ix) Comprehensive commercial literature specifications, the content of which must comply with IS/ISO 6747 are given in **Annexure** –(6u)

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- Details of major bought-out assemblies and sub-assemblies including manufacturer's name with address, type, model etc given in Annexure - (6b)
- xi) Detailed list of instrumentation monitoring and alarm systems given in Annexure (6v)
- xii) Operation and maintenance manual will be provided at the time of commissioning of the machine,-Undertaking by the Supplier in Annexure – (6w)

D.9.3 Dimensions, Weight and Performance Details:

D.9.3.1 Dimensions:

Maximum overall length with and without blade (m)

With Blade - 11.565 m Without Blade - 6.680 m

b) Maximum overall width, with and without blade (m)

With Blade - 5.265 m Without Blade -3.620 m

c) Maximum overall height (m)

4.646 m

d) Drawbar height (m)

1.129 m

D.9.3.2 Machine weights:

Shipping weights of individual components (kg) a)

Detailed in Annexure - 6x

Total Operating weight (kg) b)

108390 Kg (with variable giant ripper)

Operating weight excluding dozer attachment (kg)

83,590 Kg

D.9.3.3 Engine:

a) Manufacturer and Model

Make - Komatsu

Model - SAA12V140E-3

b) Number of cylinders

12 nos.

Bore (mm) c)

140 mm

d) Stroke (mm) 165 mm 30.48 Ltr

Displacement (litre) e)

f) Net power atrpm (kw) 664 kW @ 2000 rpm 3825 Nm @ 1400 rpm

Maximum Torque (nm)

D.9.3.4 Transmission:

Make and Model

Make - Komatsu

Model - 198-15-41001

b) Number of gear speeds, forward and reverse

c) Travel speeds, forward and reverse (Km/h)

Forward - 3, Reverse - 3

F2 - 6.2 kmph

F3 - 11.2 kmph

R1 - 4.2 kmph

R2 - 8.0 kmph

R3 - 14.0 kmph

F1 - 3.3 kmph



Type Ratio Double reduction type with spur & planetary gear sets

23.447

D.9.3.6 Steering and braking:

Type

Steering clutch: Wet type, multiple-disc, spring loaded, hydraulically released, hard operates

interconnected with steering brake

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Steering brake: Wet type, multiple-disc, spring actuated, hydraulically released, foot and hand operated, interconnected with steering clutch

Service brake: Steering brakes function as service brake, foot operated

b) Actuating System Steering – Spring Loaded, Hydraulically Released Brake - Spring Actuated, Hydraulically Released

D.9.3.7 Undercarriage:

Undercarriage overall width (m)

b) Crawler track height (m)

c) Crawler effective length (m)

d) Crawler width (m)

3.48 m

1.95 m

4.524 m

0.710 m

Crawler shoes, total number 41 Nos. (Each side).
Ground contact area (sq.m) 6.424 sq.m

f) Ground contact area (sq.m) 6.424 sq.m g) Ground bearing pressure (kpa) 166 kPa

h) Load rollers, diameter and number per crawler (m) Tread Diameter -300 mm (Roller No. 2 to 7),

315 mm (Roller No. 1& 8) No per crawler: 8 Nos

i) Driving Sprocket diameter (m)
 j) Idler roller diameter (m)
 k) Centre to centre of idler roller and sprocket (m)
 1.291 m
 0.99 m
 4.524 m

D.9.3.8 Hydraulic System:

- a) Make, Model, Number, flow rates and operating pressures of pumps:
 - 1. Power train + lubricating oil pump:

Make: Komatsu Type: Gear Type Qty.- 2 nos.

Flow rate: 456 LPM

Max. Operating Pressure: 3.0 Mpa

2. Scavenging pump:

Make: Komatsu Type: Gear Type Oty.- 2 nos.

Flow rate: 590 LPM

Max. Operating Pressure: 0.15 Mpa

3. Work Equipment Pump:

Make: Komatsu

Type: Variable swash plate type

Qty.- 2 nos.

Flow Rate - 542 LPM

Max. Operating Pressure- 27.5 MPa

4. Cooling Fan Pump:

Make: Komatsu

Type: Variable swash plate type

Qty.- 2 nos.

Flow Rate - 233 LPM

Max. Operating Pressure- 23.5 Mpa

Make, model, number, piston diameters and stroke lengths of cylinder

stroke lengths of cylinders

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	MAKE -	KOMATSU		=
	Model	Quantity (Nos)	Piston Dia. (mm)	Stroke (mm)
Blade Lift Cylinder	707-03-00152	2	110	1925
Blade Tilt Cylinder	707-01-0F520	1	140	293
Ripper Lift Cylinder	707-01-0F540	2	120	645
Ripper tilt Cylinder	707-01-0F560	2	140	540

Relief valve operating pressures (kpa)

Oil quantity in system and tank (ltrs) d)

Filtration system type e)

D.9.3.9 Dozer attachment:

Maximum digging depth (m)

Ground clearance at full lift (m) b)

Maximum tilt adjustment (m) c)

Maximum pitch adjustment (m) approx.)

D.9.3.10 Electrical System

Starter: make and model

Starter control: make and model

Alternator: make and model

Batteries: numbers, voltage and no. of plates/AH rating

Lighting details

27.5 MPa

System capacity- 210 Litre Relief capacity - 160 Litre Full Flow element type

1.01 m 1.62 m 0.77 m

0.137 degree

Make: Nikko Electric Model: 0-2323000-8000-001 Rating: 24V, 2 x 7.5kw

Make: Nikko Electric Model: 0-2323000-8000-001 Rating: 24V, 2 x 7.5kw

> Make: Sawafuji Electric Model: A009TU5292 Rating: 24V, 100A

4 x 12 v, suitable Ah, maintenance free batteries

1. Headlights -4 Nos. LED type 2.

2. Rear working lights - 2 Nos. LED type

3. ROPS mounted working lights - 4 Nos. (2-front and 2-rear), Halogen type)

4. Cabin dome light - 1 No.

D.9.3.11 General

a) Details, number and location of fire extinguishers:

Make: (Southern Electronics/ Automation Control/Maco Corp.) Location: Beside Operators Cabin

b) Make, Model and Operating range of all gauges/indicators Operating Range - Annexure - 6y

Make, Model of all warning alarms

1 No. dry type, min 5 Kg fire extinguisher

Make & Model - Komat

Make & Model - Koma

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Equipment Acceptance

The Equipment ordered will be finally accepted subject to the Supplier demonstrating to the Purchaser or its authorised representative (may be third party) that the equipment, or assembly or sub-assembly (selected at random by the Purchaser) when tested, meets the Performance Data provided by the Supplier in accordance with the requirements of clause D.9. In case if testing facility for a particular parameter is not available at site, the Equipment ordered will finally be accepted subject to submission of Manufacturer's certified test copy for that parameter of performance data provided by the supplier in accordance with the requirements of clause D.9. A detrimental deviation of up to $2\frac{1}{2}\%$ will be accepted

Specific Fuel Consumption as per IS/ISO 9249	To be tested at manufacturers Works. Minimum of 3 (three) readings at full load to be averaged. Details of test and relevant photographs of the testing procedure to be provided.
Engine Net Power & RPM	To be tested at manufacturers Works. Details of test and relevant photographs of the testing procedure to be provided. To be tested at Works
Drawbar Pull at 1 km/h	To be tested at manufacturers Works. Details of test and relevant photographs of the testing procedure to be provided. To be tested at Works
Production with offered blade at 30 m distance	To be tested at manufacturers Works. Details of test and relevant photographs of the testing procedure to be provided. To be tested at manufacturer's works / site.
Production with offered blade at 60 m distance	To be tested at manufacturers Works. Details of test and relevant photographs of the testing procedure to be provided. To be tested at manufacturer's works / site.

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CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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PRICE SCHEDULE









1. The Prices shall be as under:

a. Equipment (For all projects):

h	Equipment (101 an projects).		
SI			
no.	Description	Currency	Breakup Value
_	FOB Price (per equipment) inclusive of Indian agency commission	JPY	16,88,20,340.00
2	Indian Agency Commission @ 5% inclusive. in FOB Price	JPY	80,39,063.81
3	Marine Freight Charges upto Port of Entry in India	JPY	21,17,360.00
4	Marine Insurance Charges	JPY	62,300.00
5	CIF Price at Port of Entry in India	JPY	17,10,00,000.00
9	Assessable Value	JPY	17,10,00,000.00
1	Basic Customs Duty (BCD) on Assessable CIF Value @ 0% on account of CEPA	JPY	NIL
∞	Social Welfare Surcharge (SWS) on BCD @ 10%	JPY	NIL
6	IGST @ 18%	JPY	3,07,80,000.00
10	Total Customs Duty	JPY	3,07,80,000.00
11	GST on marine freight @ 5%	JPY	1,05,868.00
12	GST on Indian Agency Commission @ 18%	JPY	14,47,031.49
	Total CIF Value incl. GST on Marine Freight + Ind. Agency Commission (Exchange Rate		0 52 00 066 20
13	JPY $1 = Rs \ 0.5523$ as on date of RA)	Rs.	65.006,000,506,6
14	Total Customs Duty (Exchange Rate JPY 1 = Rs 0.5523 as on date of RA i.e.)	Rs.	1,69,99,794.00
15	Port charges, Clearing forwarding charges and other incidental charges.	Rs.	14,90,000.00
16	GST on Port charges, Clearing forwarding charges and other incidental charges @ 18%	Rs.	2,68,200.00
17	Inland Transportation for delivery upto Final Place of Destination	Rs.	21,50,000.00
18	GST on Inland Transportation for delivery upto Final Place of Destination @18%	Rs.	3,87,000.00
19	Inland Insurance for delivery upto Final Place of Destination	Rs.	NIL
20	GST on Inland Insurance upto Final Place of Destination @ 18%	Rs.	NIL
21	Errection & Commissioning Charges	Rs.	25,40,000.00
Service Services			



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22	22 GST on Errection & Commissioning @ 18%	Rs.	Rs. 4,57,200.00
	Total Price of all Items sourced in INR required for fitting in the equipment during		
23	commissioning of the equipment	Rs.	33,02,800.00
	Total GST applicable of all Items sourced in INR required for fitting in the equipment during		
24	commissioning of the equipment	Rs.	5,99,504.00
25	CIP Price per Equipment with GST	Rs.	Rs. 12,34,95,464.39

b. Project wise details of Total package of Equipment (fleet) along with Consumable Spares and Consumables for warranty period of one year and Spares & Consumables for post warranty period of 5 years under Spares Cost Cap are as under:

	Item no.	Project	Qty	
	7	850HP Crawler Dozers without ripper for Gevra OCP, SECL, NCD	1	
	6	850HP Crawler Dozers without ripper for Bina Khakri Amalg OCP, NCL NCD	0 1	
	10	850HP Crawler Dozers without ripper for Amlhori OCP, NCL, NCD	П	
	12	850HP Crawler Dozers without ripper for Krishnashila OCP, NCL, NCD	-	
,		Description	Valu	Value (Rs)
		CIP Price of Fleet inclusive of GST (Fleet - 1no.)	12,34,	12,34,95,464.39
		1st year spares and consumables per equipment	85,	85,67,992.00
		GST on 1st year spares and consumables per equipment	15,	15,42,239.00
		Total 1st year Spares and consumables inclusive of GST for fleet	1,01,	1,01,10,231.00
		2nd year Spares and consumables for fleet	3.64.	3,64,77,894.00
		GST on 2nd year spares and consumables for fleet	65,	65,66,021.00
v i		Total 2nd year Spares and consumables inclusive of GST for fleet	4,30,	4,30,43,915.00
		3rd year Spares and consumables for fleet	3,93,	3,93,37,210.00
		GST on 3rd year spares and consumables for fleet	70,	70,80,698.00
		Total 3rd year Spares and consumables inclusive of GST for fleet	4,64,	4,64,17,908.00

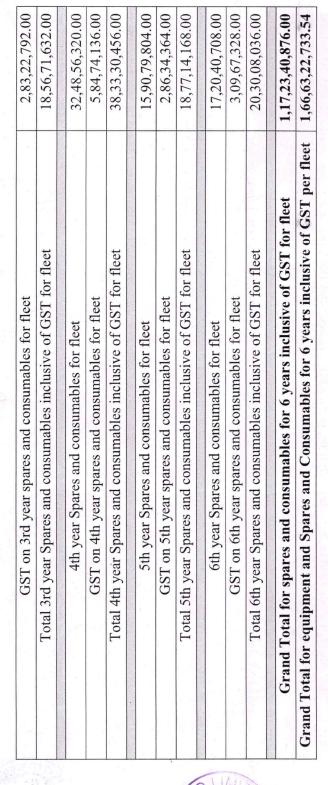
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41,65,80,683.39	Grand Total for equipment and Spares and Consumables for 6 years inclusive of GST per fleet
29,30,85,219.00	Grand Total for spares and consumables for 6 years inclusive of GST for fleet
5,07,52,009.00	Total 6th year Spares and consumables inclusive of GST for fleet
77,41,832.00	GST on 6th year spares and consumables for fleet
4,30,10,177.00	6th year Spares and consumables for fleet
4,69,28,542.00	Total 5th year Spares and consumables inclusive of GST for fleet
71,58,591.00	GST on 5th year spares and consumables for fleet
3,97,69,951.00	5th year Spares and consumables for fleet
9,58,32,614.00	Total 4th year Spares and consumables inclusive of GST for fleet
1,46,18,534.00	GST on 4th year spares and consumables for fleet
8,12,14,080.00	4th year Spares and consumables for fleet

8 850HP Crawler Dozers without ripper for Jayant OCP, NCL, NCD 4 I3 850HP Crawler Dozers without ripper for Jayant OCP, NCL, NCD 4 Description Value (Rs) CIP Price of Fleet inclusive of GST (Fleet - 4no.) 49,39,81,857.54 CIP Price of Fleet inclusive of GST (Fleet - 4no.) 49,39,81,857.54 GST on 1st year spares and consumables per equipment 85,67,992.00 Total 1st year Spares and consumables for fleet 4,04,40,924.00 CAD year Spares and consumables inclusive of GST for fleet 2,62,64,084.00 Total 2nd year Spares and consumables inclusive of GST for fleet 17,21,75,660.00 3rd year Spares and consumables for fleet 15,73,48,40.00	Item no. Project	Qty
OHP Crawler Dozers without ripper for Jayant OCP, NCL, NCD Description CIP Price of Fleet inclusive of GST (Fleet - 4no.) 1st year spares and consumables per equipment ST on 1st year spares and consumables per equipment st year Spares and consumables for fleet 2nd year Spares and consumables for fleet CST on 2nd year spares and consumables for fleet description 3nd year Spares and consumables inclusive of GST for fleet 3rd year Spares and consumables for fleet	8 850HP Crawler Dozers without ripper for Nigahi OCP, NCL, NCD	4
Description CIP Price of Fleet inclusive of GST (Fleet - 4no.) 1st year spares and consumables per equipment ST on 1st year spares and consumables per equipment st year Spares and consumables inclusive of GST for fleet 2nd year Spares and consumables for fleet GST on 2nd year spares and consumables for fleet and year Spares and consumables for fleet ST on 2nd year spares and consumables for fleet 3rd year Spares and consumables inclusive of GST for fleet	13 850HP Crawler Dozers without ripper for Jayant OCP, NCL, NCD	4
CIP Price of Fleet inclusive of GST (Fleet - 4no.) 1st year spares and consumables per equipment ST on 1st year spares and consumables per equipment st year Spares and consumables inclusive of GST for fleet 2nd year Spares and consumables for fleet GST on 2nd year spares and consumables for fleet 1 dear Spares and consumables for fleet 3rd year Spares and consumables inclusive of GST for fleet	Description	Value (Rs)
1st year spares and consumables per equipment ST on 1st year spares and consumables per equipment st year Spares and consumables inclusive of GST for fleet 2nd year Spares and consumables for fleet GST on 2nd year spares and consumables for fleet and year Spares and consumables inclusive of GST for fleet 3rd year Spares and consumables for fleet	CIP Price of Fleet inclusive of GST (Fleet - 4no.)	49,39,81,857.54
ST on 1st year spares and consumables per equipment st year Spares and consumables inclusive of GST for fleet 2nd year Spares and consumables for fleet GST on 2nd year spares and consumables for fleet and year Spares and consumables inclusive of GST for fleet 3rd year Spares and consumables for fleet	1st year spares and consumables per equipment	85,67,992.00
st year Spares and consumables inclusive of GST for fleet 2nd year Spares and consumables for fleet GST on 2nd year spares and consumables for fleet and year Spares and consumables inclusive of GST for fleet 3rd year Spares and consumables for fleet	GST on 1st year spares and consumables per equipment	15,42,239.00
	Total 1st year Spares and consumables inclusive of GST for fleet	4,04,40,924.00
	2nd year Spares and consumables for fleet	14,59,11,576.00
	GST on 2nd year spares and consumables for fleet	2,62,64,084.00
	Total 2nd year Spares and consumables inclusive of GST for fleet	17,21,75,660.00
	3rd year Spares and consumables for fleet	15,73,48,840.00

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For Item 11 - 850HP Crawler Dozers without ripper for Dudhichua OCP, NCL, NCD (2 nos) Description CIP Price of Fleet inclusive of GST (Fleet - 1no.) 1st year spares and consumables per equipment GST on 1st year Spares and consumables for fleet Total 1st year Spares and consumables for fleet Consumables inclusive of GST for fleet	NCL, NCD (2 nos)	Value (Rs)	24,69,90,928.77	85,67,992.00	15,42,239.00	2,02,20,462.00	7,29,55,788.00	1,31,32,042.00	8,60,87,830.00	7,86,74,420.00
		Description	CIP Price of Fleet inclusive of GST (Fleet - 1no.)	1st year spares and consumables per equipment	GST on 1st year spares and consumables per equipment		2nd year Spares and consumables for fleet	GST on 2nd year spares and consumables for fleet	Total 2nd year Spares and consumables inclusive of GST for fleet	3rd year Spares and consumables for fleet

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83,31,61,366.77	Grand Total for equipment and Spares and Consumables for 6 years inclusive of GST per fleet
58,61,70,438.00	Grand Total for spares and consumables for 6 years inclusive of GST for fleet
10,15,04,018.00	Total 6th year Spares and consumables inclusive of GST for fleet
1,54,83,664.00	GST on 6th year spares and consumables for fleet
8,60,20,354.00	6th year Spares and consumables for fleet
9,38,57,084.00	Total 5th year Spares and consumables inclusive of GST for fleet
1,43,17,182.00	GST on 5th year spares and consumables for fleet
7,95,39,902.00	5th year Spares and consumables for fleet
19,16,65,228.00	Total 4th year Spares and consumables inclusive of GST for fleet
2,92,37,068.00	GST on 4th year spares and consumables for fleet
16,24,28,160.00	4th year Spares and consumables for fleet
9,28,35,816.00	Total 3rd year Spares and consumables inclusive of GST for fleet
1,41,61,396.00	GST on 3rd year spares and consumables for fleet

ONB: The cost cap value shall be payable at actuals subject to the maximum rate / amount mentioned above.



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								Unit Values (in Rs.)							
SI. No.		Item Description with Make, Model & Part No. (if applicable)	o. (if	Unit of Measuremen f t (UOM)	Unit of Measuremen FOR Destination (UOM)	Rate	GST	Landed Price	Input Tax credit Amount	Net Landed Price after deducting Input Tax credit (in Rs.)	Quantity of items required per equipmen t	Total FOR Destination Price of all items sourced indigenously for fitment in the equipment during commissioning of the equipment	Total GST Amount of all items sourced indigenously for fitment in the equipment during commissioning of the equipment	Total Landed Price for all terms sourced indigenously in INR for fitment in the equipment during commissioning of the equipment without deducting input Tax credit (in Rs.)	Total Net Landed Price for Items sourced indigenously in INR for fitment in the equipment during commissioning of the equipment after deducting Input Tax credit (in Rs.)
1		2		3	4	5	6=4*5	7=4+6	9=8	9=7-8	10	11=4*10	12=6*10	13=7*10	14=9*10
	Item Description	Item Make & Model	Part No.												
LIMI	Automatic Fire Detection & Suppression System	Southern Electronics / Automation Controls / MACO Corp.	NA	o Z	12,00,800.00	18%	2,16,144.00	14,16,944.00	2,16,144.00	12,00,800.00	1.00	12,00,800.00	2,16,144.00	14,16,944.00	12,00,800.00
2	Rear view camera	MyPort services / Davesmen / Southern Electronics	NA	ON.	4,50,000.00	18%	81,000.00	5,31,000.00	81,000.00	4,50,000.00	1.00	4,50,000.00	81,000.00	5,31,000.00	4,50,000.00
m	Fatigue Monitoring System	MyPort services / Davesmen / Southern Electronics	NA	o N	2,50,000.00	18%	45,000.00	2,95,000.00	45,000.00	2,50,000.00	1.00	2,50,000.00	45,000.00	2,95,000.00	2,50,000.00
4	Retro reflective tapes	Aura tapes	NA	Set	50,000.00	18%	9,000.00	59,000.00	9,000.00	50,000.00	1.00	50,000.00	9,000.00	59,000.00	50,000.00
Ŋ	Audio Visual Alarm	MyPort services / Davesmen / Southern Electronics	NA	O.	50,000.00	18%	00.000,6	29,000.00	9,000.00	50,000.00	1.00	20,000.00	00'000'6	00'000'65	20,000,00
LIMITE	Seat belt with reminder	MyPort services / Davesmen / Southern Electronics	NA	No	50,000.00	28%	14,000.00	64,000.00	14,000.00	50,000.00	1.00	50,000.00	14,000.00	64,000.00	20'000'00
7	Fire Extinguisher (Cartridge type)	Southern Electronics / Automation Controls / MACO Corp.	NA	O.	40,000.00	18%	7,200.00	47,200.00	7,200.00	40,000.00	1.00	40,000.00	7,200.00	47,200.00	40,000.00
4	tED lights	Hella / MyPort services / Davesmen	NA	No	85,000.00	18%	15,300.00	1,00,300.00	15,300.00	85,000.00	00.9	5,10,000.00	91,800.00	6,01,800.00	5,10,000.00
on Marke	Thutomotio Centralized	Graco / SKF Engineering	NA	o Z	4,50,000.00	18%	81,000.00	5,31,000.00	81,000.00	4,50,000.00	1.00	4,50,000.00	81,000.00	5,31,000.00	4,50,000.00
ung Din	Habricant than sfer	Lub solutions Pvt. Ltd.	NA	No	2,52,000.00	18%	45,360.00	2,97,360.00	45,360.00	2,52,000.00	1.00	2,52,000.00	45,360.00	2,97,360.00	2,52,000.00
10	101										TOTAL	22 02 000	200 504		

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					150				Ouantity of			Total Landed Price for	Total Net Landed Price for
SI.No. Item Description with part no. (if any)	with part no. (if any)	Unit of Measure ment (UOM)	FOR Destination Price	Rate	Amount	Landed Price	Input Tax Credit Amount	Net Landed Price after deducting Input Tax credit	Consumables Spares & Consumables Quoted per equipment	Total FOR Destination Price per equipment	Total GST Amount per equipment	Consumables Spares & Consumables for first 12 months of warranty period per equipment without deducting Input Tax credit (in Rs.)	Consumables Spares & Consumables for first 12 months of warranty period per equipment after deducting Input Tax credit (in Rs.)
1	2	3	4	5	6= 4×5	7 = 4+6	8 = 6	9=7-8	10	11 = 4 × 10	12 = 6 x 10	13 = 7 × 10	14 = 9 x 10
Consumable Spares	ires			1									
Description				- 0									
П	600-211-1341	Nos.	7,827.30	18%	1,408.91	9,236.21	1,408.91	7,827.30	44.00	344,401.20	61,992.22	406,393.42	344,401.20
	07063-51142	Nos.	8,934.48	18%	1,608.21	10,542.69	1,608.21	8,934.48	11.00	98,279.28		115,969.55	98,279.28
1	07000-E5165	Nos.	3,282.22	18%	590.80	3,873.02	590.80	3,282.22	11.00	36,104.42	6,498.80	42,603.22	36,104.42
\neg	07063-51142	Nos.	8,934.48	18%	1,608.21	10,542.69	1,608.21	8,934.48	11.00	98,279.28	17,690.27	115,969.55	98,279.28
	07000-E5165	Nos.	3,282.22	18%	590.80	3,873.02	590.80	3,282.22	11.00	36,104.42	6,498.80	42,603.22	36,104.42
6 Element	07063-51142	Nos.	8,934.48	18%	1,608.21	10,542.69	1,608.21	8,934.48	11.00	98,279.31	17,690.28	115,969.58	98,279.31
\neg	07000-E5165	Nos.	3,282.22	18%	290.80	3,873.02	590.80	3,282.22	11.00	36,104.40	6,498.79	42,603.19	36,104.40
	600-319-4540	Nos.	13,647.92	18%	2,456.63	16,104.55	2,456.63	13,647.92	22.00	300,254.31	54,045.78	354,300.08	300,254.31
\neg	600-319-3550	Nos.	5,450.08	18%	981.01	6,431.09	981.01	5,450.08	10.00	54,500.77	9,810.14	64,310.90	54,500.7
	600-319-3550	Nos.	5,450.08	18%	981.01	6,431.09	981.01	5,450.08	10.00	54,500.77	9,810.14	64,310.90	54,500.77
	421-60-35170	Nos.	1,654.86	18%	297.88	1,952.74	297.88	1,654.86	5.00	8,274.31	1,489.38	9,763.68	8,274.31
	421-60-35170	Nos.	1,654.86	18%	297.88	1,952.74	297.88	1,654.86	5.00	8,274.31	1,489.38	9,763.68	8,274.31
	17M-12-21180	Nos.	3,584.17	18%	645.15	4,229.32	645.15	3,584.17	8.00	28,673.33	ř	33,834.53	28,673.33
	208-60-71123	Nos.	13,139.38	18%	2,365.09	15,504.47	2,365.09	13,139.38	2.00	26,278.77	4,	31,008.94	26,278.7
		Nos.	1,089.33	18%	196.08	1,285.41	196.08	1,089.33	4.00	4,357.34		5,141.66	4,357.34
15 Element assembly	ly 600-185-6100	Nos.	21,071.43	1	3,792.86	24,864.29	3,792.86	21,071.43	10.00	210,714.30	_	248,642.87	210,714.30
10 Eiltor	12M 011 2520	Nos.	5,626.86		1,012.83	6,639.69	1,012.83	5,626.86	6.00	33,761.15		39,838.16	33,761.15
	04120-21750	Nos.	5.037.20	18%	853.43	5,594.72	853.43	4,741.28	1.00	28,447.71	5,120.59	33,568.29	28,447.73
_	04120-21951	Nos.	4.674.03	18%	841.32	5,515.35	841.32	4.674.03	1.00	4 674 03		5 515 35	4 674 03
21 Nut - Cutting Edge	ge 198-71-21911	Nos.	1,731.45	18%	311.66	2,043.11	311.66	1,731.45	130.00	225,088.50	40	265,604,43	225.088.50
22 Washer - Cutting Edge		Nos.	1,370.25	18%	246.65	1,616.90	246.65	1,370.25	130.00		32,063.85	210,196.35	178,132.50
-23 Bolt - Cutting Edge		Nos.	3,985.80	18%	717.44	4,703.24	717.44	3,985.80	130.00			611,421.72	518,154.00
24 Edge - Cutting Edge		Nos.	130,037.25	18%	23,406.71	153,443.96	23,406.71	130,037.25	00.9	780,223.50	140,440.23	920,663.73	780,223.50
\neg		Nos.	95,673.90	18%	17,221.30	112,895.20	17,221.30	95,673.90	9.00	574,043.40	103,327.81	677,371.21	574,043.40
\neg	198-71-315208	Nos.	81,556.65	18%	14,680.20	96,236.85	14,680.20	81,556.65	2.00	407,783.25	73,400.99	481,184.24	407,783.25
	198-71-21870	Nos.	6,247.50	18%	1,124.55	7,372.05	1,124.55	6,247.50	40.00	249,900.00	44,982.00	294,882.00	249,900.00
	198-71-21880	Nos.	5,427.45	18%	976.94	6,404.39	976.94	5,427.45	40.00	217,098.00		256,175.64	217,098.00
	198-71-21911	Nos.	1,731.45	18%	311.66	2,043.11	311.66	1,731.45	80.00	138,516.00		163,448.88	138,516.00
	198-71-21890	Nos.	1,370.25	18%	246.65	1,616.90	246.65	1,370.25	40.00	54,810.00	1	64,675.80	54,810.00
31 Bolt	198-/1-21860	Nos.	4,311.30	18%	776.03	5,087.33	776.03	4,311.30	40.00	172,452.00		203,493.36	172,452.00
	100 27 77 901	NOS.	81,536.65	18%	14,680.20	96,236.85	14,680.20	81,556.65	5.00	407,783.25	1	481,184.24	407,783.25
	198-27-42360	Nos.	114,492.00	18%	20,608.56	135,100.56	20,608.56	114,492.00	10.00	1,144,920.00	7	1,351,005.60	1,144,920.00
35 Bolt	198-27-32231	Nos.	1,3/5./1	18%	247.63	1,623.33	247.63	1,3/5./1	50.00	68,785.38	1	81,166.75	68,785.38
	01803 03034	Nos.	1,592.85	18%	173 13	1,8/9.56	132 13	1,592.85	40.00	63,714.00		75,182.52	63,714.00
\top	105 77 33141	Nos.	129.37	100/	123.12	4 025 00	133.12	/39.5/	50.00	36,978.66		43,634.82	36,978.66
	14765-77-661	NOS.	00.778	16%	138.00	1,035.80	158.00	8///80	40.00	35,112.00	6,320.16	41,432.16	35,112.00
Consumables						X-X-							
Description	Part No.												
	Engine Oil 15W40 DH (209 L SYZZ-E015W40-DM	Nos.	70,731.60	18%	12,731.69	83,463.29	12,731.69	70,731.60	7.00	495,121.20		584,243.02	495,121.20
	Powertrain Oil TO 30 (209 L) SYZZ-TO30-DM-Y	Nos.	53,664.61	18%	9,659.63	63,324.24	9,659.63	53,664.61	00.9	321,987.68		379,945.46	321,987.68
	SYZZ-85W140-DIM	Nos.	277,773.00	18%	49,999.14	327,772.14	49,999.14	277,773.00	2.00	555,546.00		655,544.28	555,546.00
5 COOLANT (2091)	Hydraulic Oil HO46-HM (203 SYZZ-H046-DM-Y	Nos.	46,010.88	18%	8,281.96	54,292.83	8,281.96	46,010.88	2.00	92,021.75		108,585.67	92,021.75
	830741148G	Mos.	24,333.42	1070	2,020.02	47.074,40	20.020,6	24,293.42	1.00	54,593.42		64,470.74	54,593.42
٦			AX DA	180%	11 696 72	76 678 48	11 696 73	27 100 12	000	20 022 05	CO 20C 2V	CO C17 70C	70 600 070

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

Item 7 (Without Ripper, 1 No, Gevra, NCD) - Details of Training Charges

At Manufacturer's Training Facility available in India	
Rate Per Man Per Week (Rs) No. (Week) Per iod (Week) Total Man Per Wae (Rs) Rate Per Man Per Wae (Rs) (5x6)+(9x10 (Rs)) Rs. 7x8) Rs. Rs. Rs. 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0
No. Period (Week) Total Man Weeks Rate Per Man Per Week (Rs) 1 1 1 0 1 1 1 0 0 0 0 0 2 1 2 0	
No. Period (Week) Total Man Weeks Rate Per Man Per Week (Rs) 1 1 1 0 1 1 1 0 0 0 0 0 2 1 2 0	0 0
No. Period (Week) Total Man Weeks (Rs) Rate Per Man Per Week (Rs) 1 1 1 0 1 1 1 0 0 0 0 0	0 0
No. Period (Week) Total Man Weeks Rate Per Man Per Week (Rs) (7x8) Rs. 1 1 1 1 1 1	
No. Period Total Man Rate Per Man (Week) Weeks Per Week (Rs) (7x8) Rs.	0
No. Period Total Man Rate Per Man (Week) Weeks Per Week (Rs) (7x8) Rs.	0
No. Period Total Man Rate Per Man (Week) Weeks Per Week (Rs)	Rs.
	11







CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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Item 8 (Without Ripper, 4 Nos, Nigahi, NCD) - Details of Training Charges

1	2		4	5	9	7	000	6	10	-
		,)	,	2	•
SI No.	Type of Personnel		At Mar Facili	At Manufacturer's Training Facility available in India	aining India			At Site		Total Charges
		No.	Period (Week)	Period Total Man (Week) Weeks (3x4)	Period Total Man Rate Per Man (Week) Weeks (3x4) Per Week (Rs)	Š	Period (Week)	Period Total Man (Week) Weeks (7x8)	Rate Per Man Per Week (Rs)	(5x6)+(9x10)
	III				Rs.			Ì	Rs.	Rs.
1	Mech Engineer	1	1	1	0	1	1	1	0	
2	2 Mech Supervisor	1	1	1	0	1	1	1	0	
3	3 Elec Supervisor	0	0	0	0	0	0	0	0	
4	4 Mech Fitter	0	0	0	0	4	1	4	0	
5	5 Electricían	0	0	0	0	2	1	2	0	
9	6 Operator	0	0	0	0	14	1	14	0	
		2		2		22		22		

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CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

Item 9 (Without Ripper, 1 No, Bina, NCD) - Details of Training Charges

Type of Personnel At Manufacturer's Training Personnel At Manufacturer's Training Personnel At Manufacturer's Training Personnel At Site At Site Total Manufacturer's Training Rate Per Manufacturer's Training Personnel At Site Total Manufacturer's Training Rate Per Manuf		٠									
Type of Personnel Personnel At Manufacturer's Training Personnel At Site At Site Period (Week) Total Man (Weeks (3x4)) Total Man (Weeks (3x4)) Period (Week) Total Man (Weeks (Rs)) At Site I Mech Engineer 1 1 1 1 1 1 Rs.		2	m	4	S.	9	7	∞	6	10	11
No. Period (Week) Total Man (Weeks (3x4)) Rate Per Man (Week) Rate Per Man (Weeks) No. Period (Weeks) Total Man (Weeks) Rate Per Man (Weeks) Rate Per Man (Weeks) Rate Per Man (Weeks) Rate Per Man (Weeks) Per Week (Rs) Per Week (Rs) Per Week (Rs) Per Weeks (Rs) Per Weeks (Rs) Per Week (Rs) P	SI No.	Type of Personnel		At Mar Facili	nufacturer's Tr ty available in	raining India			At Site		Total Charges
or 1 1 1 1 1 1 1 0			No.	Period (Week)	Total Man Weeks (3x4)	Rate Per Man Per Week (Rs)	No.	Period (Week)	Total Man Weeks (7x8)	Rate Per Man Per Week (Rs)	(5x6)+(9x10)
or 1 1 1 0 1 1 1 or 0 0 0 0 0 0 or 0 0 0 0 0 0 or 0 0 0 0 0 0 or 0 0 0 0 1 1 z 2 2 4 1 4 z 2 9 9 9						Rs.				Rs.	Rs.
or 1 1 1 0 1 2 0	1	Mech Engineer	1	1	1	0	1	1	1	0	
0 0 0 0 0 0 0 0 0 0 0 0 0 2 1 2 0 0 0 0 0 1 1 1 0 0 0 0 4 1 4 2 2 9 9 9	2	Mech Supervisor	. 1	1	1	0	1	1	1	0	
r 0 0 0 2 1 0 0 0 0 1 1 0 0 0 0 4 1 2 2 9 9 1	3	Elec Supervisor	0	A 10 4	0	0	0	0	0	0	
0 0 0 0 1 1 0 0 0 0 4 1 2 2 9 9 1	4	Mech Fitter	0	0	0	0	2	1	2	0	
0 0 0 4 1 2 2 9 1	5	Electrician	0		0	0	1	1	1	0	
2 9	9	Operator	0		0	0	4	1	4	0	
	- 1		2		2		6		6		







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CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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Item 10 (Without Ripper, 1 No, Amlohri, NCD) - Details of Training Charges

	3 4	2	9	7	8	9	10	11
	At Ma Facil	At Manufacturer's Training Facility available in India	raining India			At Site		Total Charges
No.	Period Week)	Period Total Man (Week) Weeks (3x4)	Period Total Man Rate Per Man (Week) Weeks (3x4)	No.	Period (Week)	Period Total Man (Week) Weeks (7x8)	Rate Per Man Per Week (Rs)	(5x6)+(9x10)
			Rs.				Rs.	Rs.
1	1	•	0	1	1	1	0)
1	1	1	0	1	1	1	0	
0	0	0	0	0	0	0	0	
0	0	0	0	2	1	2	0)
0	0	0	0	1	1	1	0)
0	0	0	0	4	1	4	0)
2		2		6	- Party - Part	6		

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CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

Item 11 (Without Ripper, 2 Nos, Dudichua, NCD) - Details of Training Charges

				8							_
2	8	m	4	Ŋ	9	7	∞	6	10	11	
Type of Personnel			At Mai Facili	At Manufacturer's Training Facility available in India	aining India			At Site		Total Charges	
		No.	Period (Week)	Period Total Man (Week) Weeks (3x4)	Rate Per Man Per Week (Rs)	No.	Period (Week)	Period Total Man (Week) Weeks (7x8)	Rate Per Man Per Week (Rs)	(5x6)+(9x10)	
			4		Rs.	32		142	Rs.	Rs.	
1 Mech Engineer		1	1	1	0	1	1	1	0	0	
2 Mech Supervisor		1	1	1	0	1	1	1	0	0	
3 Elec Supervisor		0	0	0	0	0	0	0	0	0	
4 Mech Fitter		0	0	0	0	2	1	2	0	0	
5 Electrician		0	0	0	0	1	1	1	0	0	
6 Operator		0	0	0	0	7	1	7	0	0	
		2		2		12	4	12		0	







CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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Item 12 (Without Ripper, 1 No, Krishnashila, NCD) - Details of Training Charges

2	m	4	Ŋ	9	7	80	6	10	11
Type of Personnel		At Ma Facil	At Manufacturer's Training Facility available in India	aining India			At Site		Total Charges
	N O	111	Period Total Man (Week) Weeks (3x4)	Rate Per Man Per Week (Rs)	No.	Period (Week)	Period Total Man (Week) Weeks (7x8)	Rate Per Man Per Week (Rs)	(5x6)+(9x10)
		W.7		Rs.				Rs.	Rs.
1 Mech Engineer	5	1	1	0	1	1	1	0	0
2 Mech Supervisor		1	1	0	1	1	1	0	0
3 Elec Supervisor		0	0	0	0	0	0	0	0
4 Mech Fitter		0	0	0	2	1	2	0	0
5 Electrician		0	0	0	1	1	1	0	0
6 Operator		0	0	0	4	1	4	0	0
		2	2		6		6		0





Item 13 (Without Ripper, 4 Nos, Jayant, NCD) - Details of Training Charges

SI No. Type of Personnel		n	9	7	∞	6	10	11
	At Ma Facil	At Manufacturer's Training Facility available in India	raining India			At Site		Total Charges
	No. Period (Week)	Period Total Man (Week) Weeks (3x4)	Rate Per Man Per Week (Rs)	No.	Period (Week)	Period Total Man (Week) Weeks (7x8)	Rate Per Man Per Week (Rs)	(5x6)+(9x10)
		26	Rs.		*		Rs.	Rs.
1 Mech Engineer	1 1	1	0	1	1	1	0	0
2 Mech Supervisor	1 1	. 1	0	1	1	1	0	0
3 Elec Supervisor	0 0	0	0	0	0	0	0	0
4 Mech Fitter	0 0	0	0	4	1	4	0	0
5 Electrician	0 0	0	0	2	1	2	0	0
6 Operator	0 0	0	0	14	1	14	0	0
	2	2		22	45.4	22		0







CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025 ...

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Notification

of

Award





The Asian Business CE Marketing Division

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10:2025

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काल इंडिया लिमिटेंड

(एक महारत्न कंपनी)
(भारत सरकार उपक्रम)
सामग्री प्रबंधन विभाग
'कोल भवन', प्रीमिसेस नं.04- मार
प्लाट सं-.ए.एफ-३, एक्शन एरिया-१ए
न्यू टाउन, राजरहाट,
कोलकाता -७००१५६
वेबसाइट :www.coalindia.in
ईमेल; gmmm.cil@coalindia.in







5 DECADES OF UNEARTHING ENERGY

COAL INDIA LIMITED

(A MAHARATNA COMPANY)
(A Govt of India Undertaking)
Materials Management Division,
'Coal Bhawan', Premises No.04-MAR,
Plot No-AF-III, Action Area 1A,
New Town, Rajarhat,
Kolkata-700156

Website: www.coalindia.in E mail: gmmm.cil@coalindia.in

Date: 30.06.2025

Ref: CIL/C2D/850HP Crawler Dozer/R-153/ 203

To M/s Larsen & Toubro Ltd Mining Machinery 3B, Shakespeare Sarani, P.0.Box 619 Kolkata -700 071

e-mail: rajat.chakraborty@larsentoubro.com

Notification of Award

Subject: Supply, Installation and Commissioning of 14 nos. 850HP Crawler Dozers without Ripper along with Consumables Spares and Consumables for 12 months of warranty period from the date of commissioning of the equipment and thereafter Spares & Consumables for a period of 05 years under Spares Cost Cap for various projects of SECL & NCL.

Reference:

- 1. Our Global e-Tender no. CIL/C2D/850HP Dozers/R-153/2024-25/395 dated 12.06.2024 Cover-I opened on 13.08.2024 and Cover-II (Price Bid) opened on & Reverse Auction on 21.11.2024
- Your e-offer no. MEB/CIL/LOB/D475/01 dated 25.07.2024 having Bid ID 1065439 and subsequent correspondences on CIL's e-procurement portal
- 3. Our letter no, CIL/C2D/850HP Dozers/R-153/2024-25/471 dated 18.09.2024
- 4. Our letter no. CIL/C2D/850HP Dozers/R-153/2024-25/620 dated 04.12.2024
- 5. Your letter no. MEB/D475/Offer validity Xtn/01 dated 09.12.2024
- 6. Our letter no. CIL/C2D/850HP Dozers/R-153/2024-25/779 dated 06.02.2025
- 7. Your letter no. RC/MEB/D475/01 dated 13.02.2025 and subsequent email dated 25.02.202
- 8. Our letter no. CIL/C2D/850HP Dozers/R-153/2024-25/829 dated 26.02.2025
- 9. Your letter no. MEB/D475/Offer validity Xtn/02 dated 26.02.2025
- 10. Your email dated 05.03.2025
- 11. Our letter no. CIL/C2D/850HP Dozers/R-153/2024-25/905 dated 28.03.2025
- 12. Your letter no. MEB/D475/Offer validity Xtn/03 dated 31.03.2025
- 13. Your letter no. RC/MEB/D475/01 dated 04.04.2025
- 14. Your letter no. RC/MEB/D475/02 dated 07.04.2025
- 15. Our letter no. CIL/C2D/850HP Dozers/R-153/2024-25/49 dated 25.04.2025
- 16. Your letter no. MEB/D475/4th Offer validity Xtn/04 dated 29.04.2025
- 17. Your letter no. MEB/D475/4th offer validity Xtn/05 dated 30.05.2025

Dear Sir,

With reference to the above and in terms of the Clause-32 of Section-II – Instructions with Bidder (ITB) of the Tender Document, Notification of Award is hereby issued to you confirming at the confirming at the

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CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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of your offer for Supply, Installation and Commissioning of 14 nos. 850HP Crawler Dozers without Ripper along with Consumable Spares and Consumables for 12 months of warranty period from the date of commissioning of the equipment and thereafter Spares & Consumables for a period of 05 years under Spares Cost Cap on CIP (Final Place of Destination) basis for the following projects:

NIT Item	Project	Qty
no.		(nos)
7	Gevra OCP, SECL under NCD	1
8	Nigahi OCP, NCL under NCD	4
9	Bina Khakri Amalgamation OCP, NCL, NCD	1 1
10	Amlhori OCP, NCL under NCD	1
11	Dudhichua OCP, NCL under NCD	2
12	Krishnashila OCP, NCL under NCD	1
13	Jayant OCP, NCL under NCD	4

The terms and conditions shall be as per Tender Document. The salient terms are as mentioned hereunder:

- 1. A tripartite contract shall be concluded by CIL with you and your principal, M/s Komatsu Limited, Japan, after receipt of Security Deposit as detailed in Clause 7 below.
- 2. The contract shall be issued on CIP (Final Place of Destination) basis.
- 3. Currency:
 - a) The equipment will be supplied by M/s Komatsu Limited, Japan in Japanese Yen (JPY).
 - b) INR components of equipment Port Handling, Clearing & Forwarding, Inland Transportation, Inland Insurance and Erection & Commissioning will be carried out by you for which payment will be made to you in INR. The indigenously sourced items required for fitment in the equipment during its commissioning, the consumable spares and consumables for 12 months of warranty period and thereafter spares and consumables for a period of 05 years under Spares Cost Cap will be supplied by you in Indian Rupees (INR).
 - c) Payment in JPY and INR shall be made as per relevant clauses of SCC Section IV of the Tender Document.
- 4. The Prices shall be as under:

a. Equipment (For all projects):

9	SI no.	Description		Currency	Breakup Value
	E) ₁	FOB Price (per equipment) inclusive of Indian agency commission	×.	JPY	16,88,20,340.00
6	/ 2	Indian Agency Commission @ 5% inclusive. in FOB Price	(2)	JPY	omats
7	3 -	Marine Freight Charges upto Port of Entry in India	k	JPY	The Asian 21 1 3 300.00
	4	Marine Insurance Charges	3	JPY	CE Marketing Division 2,300.00
	5	CIF Price at Port of Entry in India		JPY	17,10,00,000.00

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6	Assessable Value	JPY	17,10,00,000.00
7	Basic Customs Duty (BCD) on Assessable CIF Value @ 0% on account of CEPA	JPY	NIL
8	Social Welfare Surcharge (SWS) on BCD @ 10%	JPY	NIL
9	IGST @ 18%	JPY	3,07,80,000.00
10	Total Customs Duty	JPY	3,07,80,000.00
11	GST on marine freight @ 5%	JPY	1,05,868.00
12	GST on Indian Agency Commission @ 18%	JPY	14,47,031.49
13	Total CIF Value incl. GST on Marine Freight + Ind. Agency Commission (Exchange Rate JPY 1 = Rs 0.5523 as on date of RA)	Rs.	9,53,00,966.39
14	Total Customs Duty (Exchange Rate JPY 1 = Rs 0.5523 as on date of RA i.e.)	Rs.	1,69,99,794.00
15	Port charges, Clearing forwarding charges and other incidental charges.	Rs.	14,90,000.00
16	GST on Port charges, Clearing forwarding charges and other incidental charges @ 18%	Rs.	2,68,200.00
17	Inland Transportation for delivery upto Final Place of Destination	Rs.	21,50,000.00
18	GST on Inland Transportation for delivery upto Final Place of Destination @18%	Rs.	3,87,000.00
19	Inland Insurance for delivery upto Final Place of Destination	Rs.	, NIL
20	GST on Inland Insurance upto Final Place of Destination @ 18%	Rs.	NIL
21	Errection & Commissioning Charges	Rs.	25,40,000.00
22	GST on Errection & Commissioning @ 18%	Rs.	4,57,200.00
23	Total Price of all Items sourced in INR required for fitting in the equipment during commissioning of the equipment	Rs.	33,02,800.00
24	Total GST applicable of all Items sourced in INR required for fitting in the equipment during commissioning of the equipment	Rs.	5,99,504.00
25	CIP Price per Equipment with GST	Rs.	12,34,95,464.39

b. Project wise details of Total package of Equipment (fleet) along with Consumable Spares and Consumables for warranty period of one year and Spares & Consumables for post warranty period of 5 years under Spares Cost Cap are as under:

i.For:

Item no.	Project	Qty
7	850HP Crawler Dozers without ripper for Gevra OCP, SECL under NCD	1
9	850HP Crawler Dozers without ripper for Bina Khakri Amalg OCP, NCL NCD	1
10	850HP Crawler Dozers without ripper for Amlhori OCP, NCL under NCD	1
12	850HP Crawler Dozers without ripper for Krishnashila OCP, NCL under NCD	1

	Description	Currency	Value
	CIP Price of Fleet with GST	Rs.	12,34,95,464.39
	Total 1st yr Spares and consumables including GST for fleet	Rs	1,01,10,231.00
1	Total 2nd yr Spares and consumables including GST for fleet	Rs	4,39,48,013/80
	Total 3rd yr Spares and consumables including GST for fleet	Rs	4,64,17,908.00
7/	Total 4th yr Spares and consumables including GST for fleet	1 PRs	9,58,50,619400
7		AN THE LABORATOR	Unision).

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CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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Total 5th yr Spares and consumables including GST for fleet	Rs	4,69,28,542.00
Total 6th yr Spares and consumables including GST for fleet		5,07,52,009.00
Grand Total for spares and consumables for 6 years with GST for fleet	Rs	29,30,85,219.00
Grand Total for equipment and Spares and Consumables for 6 years incl. GST per fleet	Rs	41,65,80,683.39

ii. For:

Item no.	Project	Qty
8	850HP Crawler Dozers without ripper for Nigahi OCP, NCL under NCD	4
13	850HP Crawler Dozers without ripper for Jayant OCP, NCL under NCD	

Description	Currency	Value
CIP Price of Fleet with GST	Rs.	49,39,81,857.54
Total 1st yr Spares and consumables including GST for fleet	Rs	4,04,40,924.00
Total 2nd yr Spares and consumables including GST for fleet	Rs	17,21,75,660.00
Total 3rd yr Spares and consumables including GST for fleet	Rs	18,56,71,632.00
Total 4th yr Spares and consumables including GST for fleet	Rs	38,33,30,456.00
Total 5th yr Spares and consumables including GST for fleet	Rs	18,77,14,168.00
Total 6th yr Spares and consumables including GST for fleet	Rs	20,30,08,036.00
Grand Total for spares and consumables for 6 years with GST for fleet	Rs	1,17,23,40,876.00
Grand Total for equipment and Spares and Consumables for 6 years incl. GST per fleet	Rs	1,66,63,22,733.54

iii. For Item 11 - 850HP Crawler Dozers without ripper for Dudhichua OCP, NCL under NCD (2 nos)

Description	Currency	Value
CIP Price of Fleet with GST	Rs.	24,69,90,928.77
Total 1st yr Spares and consumables including GST for fleet	Rs	2,02,20,462.00
Total 2nd yr Spares and consumables including GST for fleet	Rs	8,60,87,830.00
Total 3rd yr Spares and consumables including GST for fleet	Rs	9,28,35,816.00
Total 4th yr Spares and consumables including GST for fleet	Rs	19,16,65,228.00
Total 5th yr Spares and consumables including GST for fleet	Rs	9,38,57,084.00
Total 6th yr Spares and consumables including GST for fleet	Rs	10,15,04,018.00
Grand Total for spares and consumables for 6 years with GST for fleet	Rs	58,61,70,438.00
Grand Total for equipment and Spares and Consumables for 6 years incl. GST per fleet	Rs	83.31.61.366.77

OUBRATHE Total Value for award of the Contract including GST for all the six projects where Rs 5,83,21,29,567.41 (Rupees Five Hundred and Eighty-Three Crore Twenty-One Lakhs Twent tine Thousand Five Hundred and Sixty-Seven and Paisa Forty-One only

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NB: The cost cap value shall be payable at actuals subject to the maximum rate / amount mentioned above.

- 5. Letter of Credit for the foreign currency component of the equipment will be opened in the name of M/s Komatsu Limited, Japan for CIF value less Agency Commission.
- 6. Indian Agency Commission @ 5% (five percent) of FOB value of the Equipment is included in the FOB Price indicated above. It shall be payable to you in INR only as per clause-8.5, SCC, Section-IV of Tender Document.

7. Security Deposit:

You are requested to arrange to furnish the following Security Deposit as per Clause-34 of ITB, Section-II and Clause-1 of SCC, Section-IV of the NIT, within 30 days from the date of Notification of Award:

- A. Security Deposit for Equipment quoted in JPY: For JPY 15,65,21,502.00 (JPY Fifteen Crore Sixty Five Lakhs Twenty One Thousand Five Hundred and Two only) in the form of RTGS/NEFT/IMPS/e-BG or in the form of a Bank Guarantee as per format enclosed as Annexure-10, Sample Forms, Section -VII of the tender document, from a RBI Scheduled Bank in India (on a non-judicial stamp paper). The Security Deposit Bank Guarantee should be valid upto 3 months after the supply and commissioning of all the equipment covered in the contract.
- B. Security Deposit for Consumable Spares and Consumables for 12 months of warranty period from the date of commissioning of the equipment and thereafter Spares & Consumables for a period of 05 years under Spares Cost cap quoted in INR: For Rupees 6,70,82,830.00 (Rupees Six Crores Seventy Lakhs Eighty Two Thousand Eight Hundred and Thirty only) in the form of RTGS/NEFT/IMPS/e-BG or in the form of a Bank Guarantee as per format enclosed as Annexure-10, Sample Forms, Sec.-VII of the tender document, from a RBI Scheduled Bank in India (on a non-judicial stamp paper). The Security Deposit Bank Guarantee should be valid upto 3 months after the supply and commissioning of all the equipment covered in the contract.

In case the SDBGs are not submitted within 30 days from the date of NoA, a penalty equivalent to 0.5% (half percent) of SD amount for delay of each week or part thereof (period of delay is to be calculated from the 31st day from the date of NoA to the date of receipt of full SD shall be levied and paid by you along with the SDBG.

Subject to force majeure conditions, failure to comply above requirement of Security Deposit and requirement of ITB clause-33 and 34.1 within a reasonable time (not exceeding 90 days from date of NoA) shall constitute sufficient ground for the annulment of the award and forfeiture of EMD.

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8. Signing of Contract:

As per Clause-33, ITB, Section-II, the agreement shall be signed within 15 days of receipt of draft copy of agreement. You are requested to intimate the names and designation of the persons who will sign the agreement on your behalf along with the names and designation of witnesses. The authorized representatives of M/s Komatsu Ltd., Japan will also be signatories to the contract agreement and the Integrity Pact.

This Notification of Award will be binding on you until a formal contract is signed as per Clause-32.2 of ITB, Section-II of the Tender Document.

You are requested to confirm receipt of this Notification of Award within 7 days of its issue and arrange to furnish the above Security Deposit(s).

Yours faithfully, For & on Behalf of Coal India Limited

(P.Kuldeep)
Sr.Manager(MM)

(Avinash Kumar) General Manager (MM)

Copy to:

- M/s Komatsu Limited, No. 3-6 Akasaka, 2-Chome, Minato-ku, Tokyo-107-8414, Japan & M/s Komatsu Ltd, 1-2-20 Kaigen, Minato-Ku, Tokyo 105-8316, Japan (By Airmail) This has reference to their Manufacturer's Authorization letter no. CIL/D475/24-25/01 dated 27.06.2024 authorizing their Indian Agent, Larsen & Toubro Ltd., Mining Machinery to submit the bid and sign the contract against the above referred tender.
- Dir(Tech), CIL / ED(E&E), CIL / GM(E&E), CIL / GM(Fin) I/c, CIL
- Dir(Tech) P&P, SECL, GM(Excv)-HOD, SECL, GM(Fin), SECL, GM(MM)-HOD, SECL
- Dir(Tech) P&P, NCL, GM(Excv)-HOD, NCL, GM(Fin), NCL, GM(MM)-HOD, NCL

BC details:

SECL:

BC under capital head

BC under capita	i nead	MMO		
No.	Unit Area	Head	Year	Amount (Rs)
318	GM Office (Gevra)	P&E HEMM	2025-26	9,96,48,572.00
26.06.2025	GM Office (Gevra)		2025-27	6,66,08,095.00
	GM Office (Dipka)	f f a supplement	2025-26	6,64,32,381.00
	GM Office (Dipka)		2025-27	3,32,16,191.00
	SECL8651			

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CIL/C2D/Crawler Dozer/R-153/309 dated 07, 10, 2025

5,08,095.00 4,32,381.00 2,16,191.00

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	SECL8651	
	SECL8851	
	SECL8851	
Commitment Item	4100	2,16,59,05,239.70

BC under revenue head

SECL/GM(F)/CONS.HEMM SPARE/ BC/AREAS OF SECL/2026-27 to 2031-32/50/03 for Rs.36027.12 lakhs dated 27.06.2025

NCL:

Capital budget:

Capital Budget/BC of Rs.81,33,17,387.24 (Rupees Eighty One Crore Thirty Three Lakh(s) Seventeen Thousand Three Hundred Eighty Seven And Paise Twenty Four Only) vide ref. no. NCL/HQ/C&B/Capital/ HEMM/2025-26/02 dt 28.06.2025.

FC for total value of Rs.81,33,17,387.24 (Rupees Eighty One Crore Thirty Three Lakh(s) Seventeen Thousand Three Hundred Eighty Seven and Paise Twenty Four Only) is given vide ref. no. NCL/HQ/FC/2025-26/ Capital/HEMM/02 dt. 28.06.2025.

Revenue Budget:

Budget/BC of Rs.11,29,32,023.88 (Rupees Eleven Crore Twenty Nine Lakh(s) Thirty Two Thousand Twenty Three And Paise Eighty Eight Only) from Centralised HEMM Spares budget is kept at HQ, vide ref. no. NCL/HQ/BC/2025-26/Centralised HEMM Spares/86 dt 28.06.2025.

FC for Rs.11,29,32,023.88 (Rupees Eleven Crore Twenty Nine Lakh(s) Thirty Two Thousand Twenty Three And Paise Eighty Eight Only) is given vide ref. no. NCL/HQ/FC/2025-26/Centralised HEMM Spares/ 78 dt 28.06.2025.

The budget for the subsequent years will be provided by NCL after the communication of the Revenue Budget for the respective years by GM(Excv)-HOD, NCL

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CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

INTEGRITY PACT





CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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INTEGRITY PACT

General

This Agreement (hereinafter called the Integrity Pact) is made on 07th day of the month of October, 2025, between, on one hand, Coal India Limited/Subsidiary Cos. acting through Shri A.K. Mohanty, Executive Director(Materials & Contracts), (hereinafter called the "BUYER / Principal", which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part and M/s. Larsen & Toubro., Kolkata represented by Shri Rajat.chakraborty Deputy General Manager, Mining Machinery and M/s Komatsu Ltd., represented by Shri Kazuma Nakanishi (hereinafter "BIDDER/Seller/Contractor" which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

WHEREAS the BUYER proposes to procure 850 HP Crawler Dozers without Ripper along with Consumable Spares and Consumables for 12 months of warranty period from the date of commissioning of the equipment and thereafter Spares & Consumables for a period of 5 years under Spares Cost Cap and the BIDDER/Seller is willing to offer/has offered the stores and

WHEREAS the BIDDER is a private company/public company/Government undertaking/ partnership/registered export agency, constituted in accordance with the relevant law in the matter and the BUYER is a Central Public Sector Unit.

NOW, THEREFORE,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to :-

Enabling the BUYER to obtain the desired said stores/equipment at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and

Enabling BIDDERs to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the BUYER will commit to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

Section 1 – Commitments of the Principal

) The Principal commits itself to take all measures necessary to prevent corruption and observe the following principles:-

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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- a. No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand; take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
- b. The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
- c. Principal will exclude from the process all known prejudiced persons.
- (2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

Section 2 - Commitments of the Bidder(s)/ Contractor(s)

- (1) The Bidder(s) / Contractor(s) commit themselves to take all measures necessary to prevent corruption. The Bidder(s) / Contractor(s) commit themselves to observe the following principles during participation in the tender process and during the contract execution.
- a. The Bidder(s) / Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
- b. The Bidder(s) / Contractor(s) will not enter with other Bidders info any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non- submission of bids or any other actions to restrict competitiveness or to introduce cartelisation in the bidding process.
- c. The Bidder(s) / Contractor(s) will not commit any offence under the relevant IPC/ PC Act; further the Bidder(s) / Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d. The Bidder(s) / Contractors(s) of foreign origin shall disclose the name and address of the Agents/ representatives in India, if any, Similarly the Bidder(s) /Contractors(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any mats

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder(s) / Contractor(s). Further, as mentioned in the Guidelines all the payments made to the Indian agent/ representative have to be in Indian Rupees only. The guidelines and terms and conditions for India agents of foreign supplier shall be as per the provisions mentioned in the NIT.

- The Bidder(s) / Contractor(s) will, when presenting their bid, disclose any and all payments made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- Bidder(s) / Contractor(s) who have signed the Integrity Pact shall not approach the Courts while representing the matter to IEMs and shall wait for their decision in the matter.
- (2) The Bidder(s) / Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 - Disqualification from tender process and exclusion from future contracts

If the Bidder, before contract award, has committed a transgression through a violation of Section 2 or in any other form such as to put his reliability or credibility as Bidder into question, the Principal is entitled to disqualify the Bidder from the tender process or to terminate the contract, if already signed, for such reason.

- (1) If the Bidder / Contractor / Supplier has committed a transgression through a violation of Section 2 such as to put his reliability or credibility into question, the Principal is also entitled to exclude the Bidder / Contractor / Supplier from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case. In particular the number of transgressions, the position of the transgressors within the company hierarchy of the Bidder and the amount of the damage. The exclusion will be imposed for a minimum of 6 months and maximum of 3 years.
- (2) A transgression is considered to have occurred if the Principal, after due consideration of available facts and evidences within his / her knowledge concludes that there is a reasonable ground to suspect violation of any commitment listed under Section 2 i.e "Commitments of Bidder(s) / Contractor(s).
- (3) The Bidder accepts and undertakes to respect and uphold the Principal's absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.

If the Bidder / Contractor / Supplier can prove that he has restored / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal may

revoke the exclusion prematurely."

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Section 4 - Compensation for Damages

- (1) If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security.
- (2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages of the Contract value or the amount equivalent to Performance Bank Guarantee.

Section 5 - Previous transgression

- (1) The Bidder declares that no previous transgressions occurred in the last three years with any other Company in any country conforming to the anti-corruption approach or with any Public Sector Enterprise in India that could justify his exclusion from the tender process.
- (2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken as per the procedure mentioned in "Guidelines on Banning of business dealings".

Section 6 - Equal treatment of all Bidders / Contractors / Subcontractors

- (1) In case of Sub-contracting, the Principal Contractor shall take the responsibility of the adoption of Integrity Pact by the Sub-contractor.
- (2) The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors.
- (3) The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7 - Criminal charges against violating Bidder(s) / Contractor(s) / Subcontractor(s)

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer.

Section 8 - Independent External Monitor

(1) The Principal appoints competent and credible Independent External Monitor for this Pact after approval by Central Vigilance Commission. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

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(2) The Monitor is not subject to instructions by the representatives of the parties and performs his/ her functions neutrally and independently. The Monitor would have access to all Contract documents, whenever required. It will be obligatory for him / her to treat the information and documents of the Bidders/Contractors as confidential.

He/ she reports to the Chairman, Coal India Limited / CMD, Subsidiary Companies

- (3) The Bidder(s) / Contractor(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his/ her request and demonstration of a valid interest, unrestricted and unconditional access to their project documentation. The same is applicable to Sub-contractors.
- (4) The Monitor is under contractual obligation to treat the information and documents of the Bidder(s) / Contractor(s) / Sub-contractor(s) with confidentiality. The Monitor has also signed declarations on 'Non-Disclosure of Confidential Information ' and of 'Absence of Conflict of Interest'. In case of any conflict of interest arising at a later date, the IEM shall inform Chairman, Coal India Limited / CMD, Subsidiary Companies and recuse himself / herself from that case.
- (5) The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
- (6) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he/ she will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- (7) The Monitor will submit a written report to the Chairman, Coal India Limited / CMD, Subsidiary Companies within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.
- (8) If the Monitor has reported to the Chairman, Coal India Limited / CMD, Subsidiary Companies, a substantiated suspicion of an offence under relevant IPC/ PC Act, and the Chairman, Coal India Limited / CMD, Subsidiary Companies has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.

(9) The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

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CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings.

If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged / determined by Chairman Coal India Limited / CMD, Subsidiary Companies.

Section 10 - Other provisions

- (1) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- (2) If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- (3) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- (4) Issues like Warranty / Guarantee etc. shall be outside the purview of IEMs.
- (5) In the event of any contradiction between the Integrity Pact and its Annexure, the Clause in the Integrity Pact will prevail.

Section 11- Facilitation of Investigation

In case of any allegation of violation of any provisions of this Pact or payment of commission, the BUYER or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

Section 12- Law and Place of Jurisdiction

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the BUYER.

Section 13 - Other Legal Actions.

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

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The Asian Business C.E. Marketing Division

CIL/C2D/Crawler Dozer/R₇153/309 dated 07.10.2025

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The parties hereby sign this Integrity Pact at Kolkata on 07.10.2025.

For the Buyer/Purchaser

S.M.Alli

Executive Director(MM) Coal India Ltd, Kolkata

Witnesses

Avinash Kumar General Manager(MM) Coal India Ltd., Kolkata

P.Kuldeep Sr. Manager(MM) Coal India Ltd., Kolkata

For the Manufacturer/Supplier

Kazuma Nakanishi

General Manager – India Group

Komatsu Ltd, Japan

Rajat Chakraborty

DGM-Mining Equipment Business-Kolkata Larsen & Toubro Ltd Mining Machinery

Witnesses

J Lokesh

Assistant General Manager – Mining Marketing Komatsu India Private Limited, Bangalore

Rahul Mehta

GM Mining Equipment Business-Bangalore Larsen & Toubro Ltd Mining Machinery







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Annexures





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The Asian Business CE Marketing Division

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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July 23, 2025

Mizuho Bank, Ltd.

Principal Office, Mumbai Level- 17, Tower- A, Peninsula Business Park Senapati Bapat Marg, Lower Parel Mumbai- 400 013, India t:+91-22-4911 2000

COAL INDIA LIMITED

MATERIALS MANAGEMENT DIVISION COAL BHAWAN, PREMISES NO. 04-MAR, PLOT NO. AF-III, ACTION AREA 1A, NEW TOWN, RAJARHAT, KOLKATA - 700156.

Dear Ma'am/Sir,

Covering letter of Bank Guarantee issued by Mizuho Bank, Ltd-India

We enclose herewith the Bank Guarantee, in original, as per details below, issued by us based on our customer's application.

Bank Guarantee (BG) No	*	BDC-792-320376-001
Issuance Date of BG	1	July 23, 2025
Amount of BG	T	JPY 156.521,502
(In figure and words)	**	(Japanese Yen One Hundred Fifty Six Million Five Hundred Twenty One Thousand Five Hundred Two only)
Date of expiry of BG	1:	June 30, 2027
Claim Date of BG	T:	June 30, 2027
Name of BG Applicant (Mizuho Bank's customer)	:	KOMATSU LTD
Effective Date	T:	July 24, 2025

In addition, you will also receive a separate Confirmation Letter on this BG issuance from our Centralized Cell. In case, the separate Confirmation Letter is not received by you within five working days, we request you to seek confirmation on email by writing to us on below email ID: bgconfirmations@mizuho-cb.com.

With best regards,

Yours sincerely,

For Mizuho Bank, Ltg

Authorised Signatory

Name: Utpala Danish Afzal

Designation: Director (A-266)

Enclosure: Bank Guarantee, in original

Member of Mizuho Financial Group Scheduled Commercial Bank (SCB) in India, red

ated by Reserve Bank of India Winner of Finencial Express Best Foreign Bank in India Award, 2023

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Mizuho Bank, Ltd.

Level 17, Tower - A Peninsula Business Park Senapati Bapat Marg Lower Parel Mumbal - 400 013, India, t: 91-22-49112000

BG NO.: BDC-792-320376-001

Date: July 23, 2025

SECURITY DEPOSIT BANK GUARANTEE

TO
COAL INDIA LIMITED,
MATERIALS MANAGEMENT DIVISION
COAL BHAWAN, PREMISES NO. 04-MAR,
PLOT NO. AF-III, ACTION AREA 1A,
NEW TOWN, RAJARHAT, KOLKATA - 700156.

RE: BANK GUARANTEE IN RESPECT OF NOTIFICATION OF AWARD REF. NO. CIL/C2D/850HP CRAWLER DOZER/R-153/203 DATED 30TH DAY OF JUNE 2025 BETWEEN COAL INDIA LIMITED AND KOMATSU LTD.

MESSERS. KOMATSU LTD., A COMPANY / FIRM HAVING ITS OFFICE AT NO. 1-2-20, KAIGAN, MINATO-KU, TOKYO 105-8316, JAPAN (HEREINAFTER CALLED THE CONTRACTOR) HAS RECEIVED THE NOTIFICATION OF AWARD REF. NO. CIL/C2D/850HP CRAWLER DOZER/R-153/203 DATED 30TH DAY OF JUNE 2025 (HEREINAFTER CALLED 'THE SAID AGREEMENT') WITH COAL INDIA LIMITED (NAME OF THE PURCHASER COMPANY) (HEREINAFTER CALLED 'THE COMPANY') TO SUPPLY 14 NOS. KOMATSU 850 HP CRAWER DOZERS MODEL D475A-5E0 WITHOUT RIPPER AMOUNTING TO JPY 3,130,430,022.58/- ON THE TERMS AND CONDITIONS CONTAINED IN THE SAID NOTIFICATION OF AWARD.

THE WE MIZUHO BANK, LTD., INCORPORATED UNDER LAW OF JAPAN, HAVING ITS REGISTERED/ HEAD OFFICE AT 1-5-5 OTEMACHI CHIYODA-KU, TOKYO, JAPAN AND BRANCH OFFICE AT LEVEL 17, TOWER- A, PENINSULA BUSINESS PARK, SENAPATI BAPAT MARG, LOWER PAREL, MUMBAI-400 013, MAHARASHTRA, INDIA (HEREINAFTER CALLED 'THE BANK') HAS AT THE REQUEST OF THE CONTRACTOR AGREED TO GIVE THE GUARANTEE AS HEREINAFTER CONTAINED.

WE MIZUHO BANK, LTD., DO HEREBY UNCONDITIONALLY AGREE WITH THE COMPANY THAT IF THE CONTRACTOR SHALL IN ANY WAY FAIL TO OBSERVE OR PERFORM THE TERMS AND CONDITIONS OF THE SAID AGREEMENT OR SHALL COMMIT ANY BREACH OF ITS OBLIGATIONS THEREUNDER, THE BANK SHALL ON DEMAND AND WITHOUT ANY OBJECTION OR DEMUR PAY TO THE COMPANY, THE SAID SUM OF JPY 156,521,502/- (JAPANESE YEN ONE HUNDRED FIFTY SIX MILLION FIVE HUNDRED TWENTY ONE THOUSAND FIVE HUNDRED TWO ONLY) OR ANY PORTION THEREOF WITHOUT REQUIRING THE COMPANY TO HAVE RECOURSE TO ANY LEGAL REMEDY THAT MAY BE AVAILABLE TO IT TO COMPEL THE BANK TO PAY THE SAME OR CALLING ON THE COMPANY TO COMPEL SUCH PAYMENT BY THE CONTRACTOR.

Authorized Signatory For Mizuho Bank, Ltd.

Name: Utpala Danish Afzal

Designation: Director (A-266) UB

Authorized Signatory For Mizuho Bank, Ltd.

Name: Ramchandra Kulkarni

Designation: Senior Vice President (K-8026 mats)

Page 1 of 3

Bank Guarantee Security No: 00314

Member of Mizuho Financial Group

Scheduled Commercial Bank (SCB) in India, regulated by Reserve Bank of India

inner of FE Best Foreign Bank in India Award, 2023 CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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The Asian Business CE Marketing Division

BG NO.: BDC-792-320376-001

Date: July 23, 2025

ANY SUCH DEMAND SHALL BE CONCLUSIVE AS REGARDS THE LIABILITY OF THE CONTRACTOR TO THE COMPANY AND AS REGARDS THE AMOUNT PAYABLE BY THE BANK UNDER THIS GUARANTEE. THE BANK SHALL NOT BE ENTITLED TO WITHHOLD PAYMENT ON THE GROUND THAT THE CONTRACTOR HAS DISPUTED ITS LIABILITY TO PAY OR HAS DISPUTED THE QUANTUM OF THE AMOUNT OR THAT ANY ARBITRATION PROCEEDING OR LEGAL PROCEEDING IS PENDING BETWEEN THE COMPANY AND THE CONTRACTOR REGARDING THE CLAIM.

WE, THE BANK, FURTHER AGREE THAT THE GUARANTEE SHALL COME INTO FORCE FROM THE DATE HEREOF AND SHALL REMAIN IN FULL FORCE AND EFFECT TILL THE PERIOD THAT WILL BE TAKEN FOR THE PERFORMANCE OF THE SAID AGREEMENT WHICH IS LIKELY TO BE THE 30TH DAY OF JUNE, 2027 BUT IF THE PERIOD OF AGREEMENT IS EXTENDED EITHER PURSUANT TO THE PROVISIONS IN THE SAID AGREEMENT OR BY MUTUAL AGREEMENT BETWEEN THE CONTRACTOR AND THE COMPANY, THE BANK SHALL RENEW THE PERIOD OF THE GUARANTEE FAILING WHICH IT SHALL PAY TO THE COMPANY THE SAID SUM OF JPY 156,521,502/- OR SUCH LESSER AMOUNT OUT OF THE SAID SUM OF JPY 156,521,502/- AS MAYBE DUE TO THE COMPANY AND AS THE COMPANY MAY DEMAND. THIS GUARANTEE SHALL REMAIN IN FORCE UNTIL THE DUES OF THE COMPANY IN RESPECT OF THE SAID SUM OF JPY 156,521,502/- ARE FULLY SATISFIED AND THE COMPANY CERTIFIES THAT THE AGREEMENT HAS BEEN FULLY CARRIED OUT BY THE CONTRACTOR AND DISCHARGES THE GUARANTEE.

THE BANK FURTHER AGREES WITH THE COMPANY THAT THE COMPANY SHALL HAVE THE FULLEST LIBERTY WITHOUT THE CONSENT OF THE BANK AND WITHOUT AFFECTING IN ANY WAY THE OBLIGATIONS HEREUNDER TO VARY ANY OF THE TERMS AND CONDITIONS OF THE SAID AGREEMENT OR TO EXTEND THE TIME FOR PERFORMANCE OF THE SAID AGREEMENT FROM TIME TO TIME OR TO POSTPONE FOR ANY TIME OR FROM TIME TO TIME ANY OF THE POWERS EXERCISABLE BY THE COMPANY AGAINST THE CONTRACTOR AND TO FORBEAR TO ENFORCE ANY OF THE TERMS AND CONDITIONS RELATING TO THE SAID AGREEMENT AND THE BANK SHALL NOT BE RELIEVED FROM ITS LIABILITY BY REASON OF SUCH FAILURE OR EXTENSION BEING GRANTED TO THE CONTRACTOR OR THROUGH ANY FORBEARANCE, ACT OR OMISSION ON THE PART OF THE COMPANY OR ANY INDULGENCE BY THE COMPANY TO THE CONTRACTOR OR ANY OTHER MATTER OR THING WHATSOEVER WHICH UNDER THE LAW RELATING TO SURETIES WOULD BUT FOR THIS PROVISIONS HAVE THE EFFECT OF RELIEVING OR DISCHARGING THE GUARANTOR.

THE BANK FURTHER AGREES THAT IN CASE THIS GUARANTEE IS REQUIRED FOR A LONGER PERIOD AND IT IS NOT EXTENDED BY THE BANK BEYOND THE PERIOD SPECIFIED ABOVE, THE BANK SHALL PAY TO THE COMPANY THE SAID SUM OF JPY 156,521,502/- OR SUCH LESSER SUM AS MAY THEN BE DUE TO THE COMPANY AND AS THE COMPANY MAY REQUIRE.

NOTWITHSTANDING ANYTHING HEREIN CONTAINED THE LIABILITY OF THE BANK UNDER THIS GUARANTEE IS RESTRICTED TO JPY 156,521,502/-. THE GUARANTEE SHALL REMAIN IN FORCE TILL THE 30TH DAY OF JUNE, 2027 AND UNLESS THE GUARANTEE IS RENEWED OR A CLAIM IS PREFERRED AGAINST THE BANK WITHIN THE VALIDITY PERIOD AND/OR THE CLAIM PERIOD FROM THE SAID DATE, ALL RIGHTS OF THE COMPANY UNDER THIS GUARANTEE SHALL CEASE AND THE BANK SHALL BE RELEASED AND DISCHARGED FROM ALL LIABILITY HEREUNDER EXCEPT AS PROVIDED IN THE PRECEDING CLAUSE.

THE BANK HAS UNDER ITS CONSTITUTION POWER TO GIVE THIS GUARANTEE AND UTPALA DANISH AFZAL AND RAMCHANDRA KULKARNI (NAME OF THE PERSON(S)) WHO HAVE SIGNED IT ON BEHALF OF THE BANK HAS AUTHORITY TO DO SO.

For Mizuho Bank, Ltd.

Authorized Signatory Name: Utpala Danish Afzal Designation: Director (A-266)

Mizuho Bank, Ltd., Principal Office, Mumbai

Level-17, Tower-A, Peninsula Business Park

Senapati Bapat Marg, Lower Parel

Mumbai- 400 013

Place: Mumbai Date: July 23, 2025 For Mizuho Bank, Ltd.

Authorized Signatory

Name: Ramchandra Kulkarni

Designation: Senior Vice President (1688)

Mizuho Bank, Ltd.,

Principal Office, Mumbai

Level-17, Tower-A, Peninsula Business Park

Senapeti Bapat Marg, Lower Pare

Mumbai- 400 013

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CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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24728952106025



Bank/Branch: IBKL - 6910749/Mumbai - Mahim

Stationery No: 24728952106025

Pmt Txn id : 760181377 Pmt DtTime : 22-JUL-2025@16:36:01 Print DtTime : 22-JUL-2025 16:56:53 ChallanIdNo: 69103332025072251591 District : 7101-MUMBAI : MH005887910202526S GRAS GRN Office Name : IGR182-BOM1 MUMBAI CITY ": 22-Jul-2025@16:36:02 GRN Date

StDuty Schm: 0030045501-75/STAMP DUTY

StDuty Amt : R 1,79,061/- (Rs One, Seven Nine, Zero Six One only)

RgnFee Schm: 0030063301-70/Registration Fees

RgnFee Amt : R 0/- (Rs Zero only)

Article : 13--Bond

Prop Mvblty: N.A. Consideration: R 1,79,061/-

Prop Descr : BANK GUARANTEE

Duty Payer: PAN-AADCM0940P, MIZUHO BANK LTD

Other Party: PAN-AABCC3929J, COAL INDIA LIMITED

Bank officiall Name & Signature

WHELE THE PARTY I CHANGE THE PARTY IN THE PA Bank official2 Name & Signown --- Space for customat of lice at

Labarra STRATT TRATE | Avinash Pawar Please write below this tribe and more many and the state of the state



This forms an integral part of our Bank Guarantee

ref. 110. 8DC-792-320376-001 dated 23/07/2025 in favour of M/s. Coal

1/a, 14

India

Authorized Si For Mizuho

Namevich

Designation

Authorized Signatory For Mizuho Bank, Ltd.

wate Danish Afzal Name: Director

Designation: A-266.

Well Page 3 ob 3

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

Page 108 of 212











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CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

Page 109 of 212

WICICI Bank

Date: 22-07-2025 Ref: 0544NDLG00099726

COAL INDIA LIMITED COAL BHAVAN, PREMISES NO.04 PLOT NO.AF-III, ACTION AREA 1A, NEW TOWN, RAJARHAT

KOLKATA WEST BENGAL INDIA 700156

Sub: Issuance of Bank Guarantee

Dear Sir/Madam.

COAL INDIA LIMITED DATE 28/07/2025 CH. CH. REGIST / MM Division

Please find enclosed Bank Guarantee issued by ICICI Bank Limited ("ICICI Bank") favoring yourself on behalf of: LARSEN & TOUBRO LIMITED, 190/,192 SECOND FLOOR, ICC DEVI, GAURAY, PIMPRI, PUNE, TECH PARK, PUNE, MAHARASHTRA, INDIA, 411018 ("Bank Guarantee") with the tenor and claim period as requested by you. For ease of reference the details have been reproduced as below:

Bank Guarantee No. & Date of Issue	Expiry Date	Claim Expiry Date	Currency	Amount of Bank Guarantee
0544NDLG00099726 22-07-2025	28-02-2027	28-02-2027	INR	6,70,82,830.00

We confirm that the officials who have signed the above Bank Guarantee are authorized to sign such documents on behalf of ICICI Bank. You may verify genuineness of the Bank Guarantee by writing to us at bgconfirmation@icicibank.com for receiving the confirmation over email.

Alternatively, you may also write to the following address to verify the genuineness of the BG:

ICICI Bank Limited, Trade Finance Operations Group, ICICI Bank Towers, Survey No.115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Nanakramguda, Serilingampally, Hyderabad - 500032, Telangana

In the event of invocation, we request you to please ensure compliance with the terms and conditions of the Bank Guarantee in order to ensure timely payment. You are requested to ensure special care inter alia with respect to the following in the invocation claim letter -

- Bank Guarantee Number
- · Expiry/Claim Expiry date
- Claim Amount
- Designated Bank branch for submission of invocation claim
- · Any declaration / certification that may be required as part of the guarantee text.
- · Any other requisite document including the original Bank Guarantee.

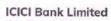
Please note that ICICI Bank shall not be liable under the Bank Guarantee post expiry of the claim period as requested by you.

Thanking you,

Yours faithfully,

For ICICI Bank Limited **Authorized Signatory**

> MALHARI PANDHARE EMP ID: 856428



G1, Ground Floor, Ackruti Center Point, Kondivita,

Near Telephone Exchange, MIDC! Andheri (East), Mumbai - 400 093,

Website www.icicibank.com

Regd. Office : ICICI Bank

di Circle, Old Padra Road, Vadodara 390 007,

The Asian Business CE Marketing Division

Corp. Office : ICICI Bank Towers, Bandra-Kurla Complex, Mumbai 400051, India. Page 110 of 212

Maharashtra India CIL/C2D/Crawler Dozer/R-\\$3/309 dated 07



महाराष्ट्र MAHARASHTRA

0 2025 0

DZ 765759

प्रधान मुद्रांक कार्यालय, मुंबई प.मु.वि.क /.०००००३ 2 6 JUN 2025

सक्षम अधिकारी

Mumbaj 400093.

Bank Guarantee No:-

0544NDLG00099726

Date of Issue

22/07/2025

Expiry Date

28/02/2027

Claim Expiry Date :-

Amount

28/02/2027

INR 6,70,82,830.00

For ICICI Bank LIMITED

Authorised Signatories

Signature

Name

Signature GMP: ID-290407

Signature:

Name:

Signature Code









CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

Page 111 of 212

फक्त प्रतिज्ञापत्रासाठी Only for Affidevit

ICICI BANK LTD.

NAMAZIA HOUSE,

-MAHAREN KARVE ROAD, क विकत धेगा याचे नाव MARINE LINES, MUMBAI - 400 002. **ाठ विकत देण्या याचे रहिवाशी पता**् ुक्क विक्रियायतची नोंद वही अनु. क्रमुन दिनांक,

-0.0535

- 2 JUL 2025

ांक विकत येणाऱ्याची सही

परवानाधारक मुद्रांक विक्रित्यांची राही

ाजना क्रमांक : ८००००३

ब्रह्मक विक्राचे ठिकाण / पता : श्री. अशोक रघुना व कदन **४९०, शहिद भगत सिंह रोड, २/१५, आनंद भुवन,** फोर्ट, भुवई-४००००१

शासकीय कार्यालयारागोर/न्यायालयासमीर प्रतिज्ञापत्र सावर घरणेराली सुन्नक कानवायी आवश्यकराः नाही. (शासन आदेश वि. ७९/०७/२००४) हुसार ज्या कारणासाठी ज्यांनी गुद्रांक ध्यरेवी केला त्यांनी स्थाय कारनाहतठी

मुद्रांक खरेदी फेल्यापासून १ वर्ष वापरणे वंदनकारक आहे.

- 2 JUL 2025







CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

Page 112 of 212

BANK GUARANTEE ICICI Bank Limited

CICLEAUX .. PICICISHIK

BG Number: 0544NDLG00099726 Issuance Date: July 22, 2025

Olcici Bank



(Incorporated in India)

Security Deposit Bank Guarantee

2 (D475A-5E0 Spares & Consumables)

- COAL INDIA LIMITED.
- COAL BHAVAN, PREMISES NO.04,
- PLOT NO.AF-III, ACTION AREA 1A,
- NEW TOWN, RAJARHAT, KOLKATA 700156 (WB)
- Re: Bank Guarantee in respect of Notification of Award Ref. No. CIL/C2D/850HP Crawler
- Dozer/R-153/203 dated 30th Day of June 2025 between Coal India Limited (Name of
- Purchaser Company) and Larsen & Toubro Limited (Name of Supplier Company).
- M/s. LARSEN & TOUBRO LIMITED a company / Firm having its office at 3B, SHAKESPEARE 10
- SAPANI, KOLKATA-700071 and other office at 190/,192 SECOND FLOOR,ICC 11
- DEV!, GAURAV, PIMPRI, PUNE, hereinafter called the Contractor has received the Notification 12
- Of Award Ref. No. CIL/C2D/850HP Crawler Dozer/R-153/203-adted 30th Day of June, 2025 13
 - herein after called 'the said agreement') with COAL NOIA LIMITED (Name of the Purchaser 14
 - Company) hereinafter called (the company) to Psupply stores/ materials amounting to 15
 - Rs. 4,10,31,93,065.95 (Four Handled and Den Crores Thirty One Lakhs Ninety Three 16
 - Thousand and Sixty Five Rupees and Winety Five Paise only) the terms and conditions 17

 - contained in the said Notification of Award.
 - The ICICI Bank to (hereinafter called 'the Bank) having its registered office at ICICI Bank 19
 - Tower, Near Chakli Circle, Old Padra Road, Vadodara, Gujarat. Pin-390 007 and other office 20
 - at ICICI BANK LIMITED, MIDC Andheri, TRANS TRADE CENTER MIDC CENTRAL X ROAD, ON LAND
 - MUMBAI,400093 has at the request of the Contractor agreed to give the guarantee
 - 23 hereinafter contained.
 - We ICICI Bank do here by unconditionally agree with the Company that if the Contractor shall only
 - in any way fail to observe or perform the terms and conditions of the said Agreement or shall
 - 26 commit any breach of its obligations thereunder, the Bank shall on demand and without any
 - objection or demur pay to the Company the said sum of INR 67082830.00 (Six Crore 27
 - Seventy Lakh Eighty Two Thousand Eight Hundred Thirty Rupee Only) or any portion there
- without requiring the company to have recourse to any legal remedy that may be available 29
 - it to compel the Bank to pay the same or call on the Company to compel such payment by the
 - 31 Contractor. CONTRACTOR



EMP ID-290407



The beneficiary may, in its own interest, verify the genuineness of the bank guarantee by seeking confirmation of its issuan writing to the email ID bgconfirmation@icicibank.com or to ICICI Bank Limited, Trade Finance Operations Group, ICICI Bank Towers, Survey No.115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Nanakramguda, Serilingampally, Hyderabad - 500032, Telangana.

Regd. Office: ICICI Bank Ltd., ICICI Bank Tower, Near Chakli Circle, Old Radra Road, Vadodara, Pin code- 390/007, Gujarat

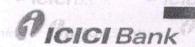
Phone: +91-265-6722286, CIN L65190GJ1994RLC021012

C1L/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

Page 113 of 212

BANK GUARANTEE

BG Number: 0544NDLG00099726 Issuance Date: July 22, 2025



ICICI Bank Limited (Incorporated in India)

Any such demand shall be conclusive as regards the liability of the Contractor to the Company

and as regards the amount payable by the Bank under this guarantee. The Bank shall not be

34 entitled to withhold payment on the grounds that the Contractor has disputed its liability to

pay or has disputed the quantum of the amount or that any arbitration proceeding or legal 35

36 proceeding is pending between the Company and the Contractor regarding the claim.

37 We, the Bank further agree that the guarantee shall come into force from the date hereof and shall remain in full force and effect till the period that will be taken for the performance of the 38 said Agreement which is likely to be the 28th day of February, 2027 but if the period of 39 40 Agreement is extended either pursuant to the provisions in the said Agreement or by mutual agreement between the Contractor and the Company, the Bank shall renew the period of the 41 42 guarantee failing which it shall pay to the Company the said sum of INR 67082830.00 (Six 43 Crore Seventy Lakh Eighty Two Thousand Eight Hundred Thirty Rupee Only) or such a lesser amount out of the said sum of INR 67082830.00 (Six Crore Seventy Lakh Eighty Two 44 Thousand Eight Hundred Thirty Rupee Only) as maybe due to the Company and as the 45 46 Company may demand. This guarantee shall remain in force until the dues of the Company in respect of the said sum of INR 67082830.00 (Six Crore Seventy Laki) Eighty Two Thousand 47

48 Eight Hundred Thirty Rupee Only) are fully satisfied and the company certifies that the

Agreement has been fully carried out by the contractor and discharges the guarantee. 49

The Bank further agrees with the Company that the Company shall have the fullest liberty 50 without the consent of the Bank and without affecting in any way the obligations hereunder 51 52 to vary any of the tarms and conditions of the said Agreement or to extend the time for 53 performance of the said Agreement from time to time or to postpone for any time or from time 54 to time any of the powers exercisable by the Company against the contractor and to forbear to enforce any of the terms and conditions relating to the said Agreement and the Bank shall 55 56 not be relieved from its liability by reason of such failure or extension being granted to the 57 contractor or through any forbearance, act or omission on the part of the Company or any indulgence by the Company to the contractor or any other matter or thing whatsoever which 59 under the law relating to sureties would but for this provisions have the effect of relieving or 60 discharging the Guarantor.

The Bank further agrees that, in case this guarantee is required for a longer period, and it is 61 not extended by the Bank beyond the period specified above, the Bank shall pay to the 62

Company the said sum of INR 67082830.00 (Six Crore Seventy Lakh Eighty Evro Thousand 63

Eight Hundred Thirty Rupee Only) or such less sum as may then be due to the company and

as the Company may require.

The beneficiary may, in its own interest, verify the genuineness of the bank guarantee by seeking confirmation of the period by writing to the email ID bgconfirmation@icicibank.com or to ICICI Bank Advited, Trade Finance Operations Group, INC Bank To sake, Survey No.115/27, Tower 3, South Wing, 6th Floor, Plot No.12, Nanakanaguda, Serilingampally, Hyderabad – 50003 (CE Marteing Disson) and the confirmation of the period of of the period

Regd. Office: ICICI Bank Ltd., ICICI Bank Tower, Near Chakli Circle Old Padra Road, Vadodara, Pin code-Phone: +91-265-6722286, CIN L65190GJ1994PLC021012 M DIV

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

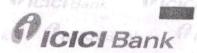
Page 114 of 212

Emp. Code: 878156

BANK GUARANTEE ICICI Bank Limited

(Incorporated in India)

BG Number: 0544NDLG00099726 Issuance Date: July 22, 2025



	* Tricigi Benk " * IGIGI Bank " IV IQIQI Sank " Filologi Sank " Filologi Sank "
66 67 68 69 70 71	Notwithstanding anything herein contained the liability of the Bank under this guarantee is restricted to INR 67082830.00 (Six Crore Seventy Lakh Eighty Two Thousand Eight Hundred Thirty Rupee Only). The guarantee shall remain in force till the 28th day of February, 2027 and unless the guarantee is renewed or a claim is preferred against the Bank within the validity period and/or the claim period from the said date, all rights of the Company under this guarantee shall cease and the Bank shall be released and discharged from all liability
72	hereunder except as provided in the preceding clause.
73 74	The Bank has under its constitution power to give this guarantee and
75	The liability of the Guarantor under this Guarantee shall not exceed INR 67082830.00 (Six
76	Crore Seventy Lakh Eighty Two Thousand Eight Hundred Thirty Rupee Only) (the
77	"Guaranteed Amounts").
cidi	Book Ologopone, Ologopone, Digici Buin Alciana
78	This Guarantee shall be valid up to 28/02/2027 (the "Expiry Date").
79	Notwithstanding anything to the contrary contained herein, no obligation of the Guarantor to
80	
81	conditions precedent:
82 83	(a) written claim/demand(s) in terms of this Guarantee of an aggregate amount less than or equal to the Guaranteed Amounts is/are made by the Beneficiary hereunder; and
84	(b) such written claim/demand(s) is/are delivered to the Guarantor on or before the
85	28/02/2027 at the ICICI Bank branch located at ICICI BANK LIMITED, MIDC Andheri, TRANS
86	TRADE CENTER MIDC CENTRAL X ROAD MUMBAI,400093.

87	Date:22/07/2025
88	Place:MIDC Andheri
89	FOR ICICI BANK LIMITED
90	Authorised Signatories
91	Signature: Stgnature: 100BP

EMP ID-2904078 and

Page 3 of 3 of supple RIMDs

Signature Code: R78156

The Asian Business CE Maneing Unisian

The beneficiary may, in its own interest, verify the genuineness of the bank guarantee by seeking confirmation of its issuance by writing to the email ID bgconfirmation@icicibank.com or to ICICI Bank Limited, Trade Finance Operations Group, ICICI Bank Towers, Survey No.115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Nanakramguda, Serilingampally, Hyderabad – 500032, Telangana.

Regd. Office: ICICI Bank Ltd., ICICI Bank Tower, Near Chakli Circle, Old Padra Road, Vadodara, Pin code-390 007, Gujarat

Phone: +91-265-6722286, CIN L65490GJ1994PLC021017

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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BANK GUARANTEE ICICI Bank Limited

BG Number: 0544NDLG00099726 Issuance Date: July 22, 2025



(Incorporated in India)

- Security Deposit Bank Guarantee
- (D475A-5E0 Spares & Consumables)
- COAL INDIA LIMITED. 3
- 4 COAL BHAVAN, PREMISES NO.04,
- 5 PLOT NO.AF-III, ACTION AREA 1A,
- 6 NEW TOWN, RAJARHAT, KOLKATA - 700156 (WB)
- Re: Bank Guarantee in respect of Notification of Award Ref. No. CIL/C2D/850HP Crawler 7
- 8 Dozer/R-153/203 dated 30th Day of June 2025 between Coal India Limited (Name of
- Purchaser Company) and Larsen & Toubro Limited (Name of Supplier Company). 9
- M/s. LARSEN & TOUBRO LIMITED a company / Firm having its office at 3B, SHAKESPEARE 10
- SARANI, KOLKATA-700071 and other office of 190/,192 SECOND FLOOR,ICC 11
- DEVI, GAURAV, PIMPRI, PUNE, hereinafter called the Contractor has received the Notification 12
- Of Award Ref. No. CIL/C2D/850HP Crawler Dozer/R 153/203 dated 30th Day of June, 2025 13
- herein after called 'the said agreement') with COAL INDIA VIMITED (Name of the Purchaser 14
- Company) hereinafter called (the company) to supply stores/ materials amounting to 15
- 16 Rs. 4,10,31,93,065.95 (Four Handred and Fen Crores Thirty One Lakhs Ninety Three
- Thousand and Sixty Five Rupees and Ninety Five Paise only) the terms and conditions 17
- 18 contained in the said Notification of Award
- The ICICI Bank Ltd (hereinafter called 'the Bank) having its registered office at ICICI Bank 19
- 20 Tower, Near Chakli Circle, Old Padra Road, Vadodara, Gujarat. Pin-390 007 and other office
- at ICICI BANK LIMITED MOC Andheri, TRANS TRADE CENTER MIDC CENTRAL X ROAD 21
- 22 MUMBAI 400093 has the request of the Contractor agreed to give the guarantee as
- 23 hereinafter contained.
- 24 We .ICICI Bank do here by unconditionally agree with the Company that if the Contractor shall
- in any way fail to observe or perform the terms and conditions of the said Agreement or shall 25
- commit any breach of its obligations thereunder, the Bank shall on demand and without any 26
- 27 objection or demur pay to the Company the said sum of INR 67082830.00 (Six Crore
- 28 Seventy Lakh Eighty Two Thousand Eight Hundred Thirty Rupee Only) or any portion thereof
- 29 without requiring the company to have recourse to any legal remedy that may be available to
- 30 it to compel the Bank to pay the same or call on the Company to compet such payment by the
- 31 Contractor.

EMP ID-290407

VIPUN CHAU Emp. Code : /

The beneficiary may, in its own interest, verify the genuineness of the bank goarantee in seeking confirmation of its its in the writing to the email ID bgconfirmation@icicibank.com or to ICICI Bank Limited, grade kinande Operations Group, ICICI Bank Town Survey No.115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Nanakramguda, Serilingam bally, Hyderabad - 500032, Telangana

Regd. Office: ICICI Bank Ltd., ICICI Bank Tower, Near Chakli Circle, Old Padra Road, Vadodara, Pin code- 390 007, Gularat Phone: +91-265-6722286, CIN L65190GJ1994RLC021012

Note: This duplicate copy is for the exclusive records of the applicant and any request including claim made by any person based on this copy shall not be honoured by CIC/C2D/Crawler Dozer/R-163/309 dated 07.10.2025

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BANK GUARANTEE ICICI Bank Limited

BG Number: 0544NDLG00099726 Issuance Date: July 22, 2025



(Incorporated in India)

- 32 Any such demand shall be conclusive as regards the liability of the Contractor to the Company
- 33 and as regards the amount payable by the Bank under this guarantee. The Bank shall not be
- 34 entitled to withhold payment on the grounds that the Contractor has disputed its liability to
- 35 pay or has disputed the quantum of the amount or that any arbitration proceeding or legal
- 36 proceeding is pending between the Company and the Contractor regarding the claim.
- 37 We, the Bank further agree that the guarantee shall come into force from the date hereof and
- 38 shall remain in full force and effect till the period that will be taken for the performance of the
- 39 said Agreement which is likely to be the 28th day of February, 2027 but if the period of
- 40 Agreement is extended either pursuant to the provisions in the said Agreement or by mutual
- agreement between the Contractor and the Company, the Bank shall renew the period of the 41
- 42 auarantee failing which it shall pay to the Company the said sum of INR 67082830.00 (Six
- Crore Seventy Lakh Eighty Two Thousand Eight Hundred Thirty Rupee Only) or such a 43
- 44 lesser amount out of the said sum of INR 67082830.00 (Six Crore Seventy Lakh Eighty Two
- Thousand Eight Hundred Thirty Rupee Only) as maybe due to the Company and as the 45
- Company may demand. This guarantee shall remain in force until the dues of the Company in 46
- respect of the said sum of INR 67082830.00 (Six Crore Seventy Lakh Eighty Two Thousand 47
- Eight Hundred Thirty Rupee Only) are fully satisfied and the company certifies that the 48
- Agreement has been fully carried out by the contractor and discharges the guarantee. 49
- The Bank further agrees with the Company that the Company shall have the fullest liberty 50
- without the consent of the Bank and without affecting in any way the obligations hereunder 51
- 52 to vary any of the terms and conditions of the said Agreement or to extend the time for
- performance of the said Agreement from time to time or to postpone for any time or from time 53
- 54 to time any of the powers exercisable by the Company against the contractor and to forbear
- 55 to enforce any of the terms and conditions relating to the said Agreement and the Bank shall
- not be relieved from its liability by reason of such failure or extension being granted to the 56
- contractor or through any forbearance, act or omission on the part of the Company or any 57
- 58 indulgence by the Company to the contractor or any other matter or thing whatsoever which
- under the law relating to sureties would but for this provisions have the effect of relieving or 59
- 60 discharging the Guarantor.
- The Bank further agrees that, in case this guarantee is required for a longer period, and it is 61
- 62 not extended by the Bank beyond the period specified above, the Bank shall pay to the
- 63 Company the said sum of INR 67082830.00 (Six Crore Seventy Lakh Eighty Two Thousand
- 64 Eight Hundred Thirty Rupee Only) or such less sum as may then be due to the Company and
- 65 as the Company may require.

JITENDRA DHOBI

EMP ID-290407

VIPUN CHAUHAN Emp. Code: 874

The beneficiary may, in its own interest, verify the genuineness of the bank guarantee by seeking confirmation of its and the genuineness of the bank guarantee by seeking confirmation of its and the genuineness of the bank guarantee by seeking confirmation of its angle of the bank guarantee by seeking confirmation of its angle of the bank guarantee by seeking confirmation of its angle of the bank guarantee by seeking confirmation of writing to the email ID bgconfirmation@icicibank.com or to ICICI Bank Limited, Trade Finance Operations Group, ICICI Bank May Survey No.115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Nanakramguda, Serilingampally, Hyderabad - 500033, Telangana

Regd. Office: ICICI Bank Ltd., ICICI Bank Tower, Near Chakli Circle, Old Padra Road, Vadodara, Pin code- 390 007 Phone: +91-265-6722286, CIN L65190GJ1994PLC021012

Note: This duplicate copy is for the exclusive records of the applicant and any request including claim made by any person based on

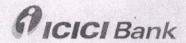
this copy shall not be honoured by CIC/C2D/Crawler Dozer/R-153/309-dated

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BANK GUARANTEE ICICI Bank Limited

(Incorporated in India)

BG Number: 0544NDLG00099726 Issuance Date: July 22, 2025



66 67 68	Notwithstanding anything herein contained the liability of the Bank under this guarantee is restricted to INR 67082830.00 (Six Crore Seventy Lakh Eighty Two Thousand Eight Hundred Thirty Rupee Only). The guarantee shall remain in force till the 28th day of February.
69	2027 and unless the guarantee is renewed or a claim is preferred against the Bank within the
70	validity period and/or the claim period from the said date, all rights of the Company under this
71	guarantee shall cease and the Bank shall be released and discharged from all liability
72	hereunder except as provided in the preceding clause.
73	The Bank has under its constitution power to give this guarantee and (Name of
74	the person) who have signed it on behalf of the Bank has authority to do so.
75	The liability of the Guarantor under this Guarantee shall not exceed INR 67082830.00 (Six
76	Crore Seventy Lakh Eighty Two Thousand Eight Hundred Thirty Rupee Only) (the
77	"Guaranteed Amounts").
70	This Guarantee shall be valid up to 28/02/2027 (the Paper Date")
78	This Guarantee shall be valid up to 28/02/2027 (the expand Date)
79	Notwithstanding anything to the contrary contained herein no obligation of the Guarantor to
80	pay any amount under this Guarantee shall arise prior to the fulfillment of the following
81	conditions precedent:
00	Man War war
82	(a) written claim/demand(s) in terms of this cuarantee of an aggregate amount less than or
83	equal to the Guaranteed Amounts is are made by the Beneficiary hereunder; and
84	(b) such written claim/demand(s) is/are delivered to the Guarantor on or before the
85	28/02/2027 at the ICIGL Bank branch located at ICICI BANK LIMITED, MIDC Andheri, TRANS
86	TRADE CENTER MIDC CENTRAL X ROAD MUMBAI,400093.
87	Date:22/07/2025
88	Place:MIDC Andheri
89	FOR ICICI BANK LIMITED
90	Authorised Signatories 🔥
91	Signature: Signature:
92	Name: VIPUN CHAUHAN
93	Signature Code: Signature Code: 878156
	EMP ID-290407
	CI Bank, CI Bank, CI Bank
	mats,

The beneficiary may, in its own interest, verify the genuineness of the bank guarantee by seeking confirmation of its writing to the email ID bgconfirmation@icicibank.com or to ICICI Bank Limited, Trade Finance Operations Group, ICIO Bank 180 Survey No.115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Napakramauda, Sarilina and Confirmation and Confirmation of the Bank 180 Survey No.115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Napakramauda, Sarilina and Confirmation of the Bank 180 Survey No.115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Napakramauda, Sarilina and Confirmation of the Bank 180 Survey No.115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Napakramauda, Sarilina and Confirmation of the Bank 180 Survey No.115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Napakramauda, Sarilina and Confirmation of the Bank 180 Survey No.115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Napakramauda, Sarilina and Confirmation of the Bank 180 Survey No.115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Napakramauda, Sarilina and Confirmation of the Bank 180 Survey No.115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Napakramauda, Sarilina and Confirmation of the Bank 180 Survey No.115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Napakramauda, Sarilina and Confirmation of the Bank 180 Survey No.115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Napakramauda, Sarilina and Confirmation of the Bank 180 Survey No.115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Napakramauda, Sarilina and Confirmation of the Bank 180 Survey No. 115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Napakramauda, Sarilina and Confirmation of the Bank 180 Survey No. 115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Napakramauda, Sarilina and Confirmation of the Bank 180 Survey No. 115/27, Napakramauda, Sarilina and Confirmation of the Bank 180 Survey No. 115/27, Napakramauda, Sarilina and Confirmation of the Bank 180 Survey No. 115/27, Napakramauda, Sarilina and Confirmation of the Bank 180 Survey No. 1 Survey No.115/27, Tower 3, South Wing, 6th Floor, Plot No. 12, Nanakramguda, Serilingampally, Hyderabad - 500032, Tolangam Regd. Office: ICICI Bank Ltd., ICICI Bank Tower, Near Chakli Circle, Old Padra Road, Vadodara, Pin code- 390 067

Phone: +91-265-6722286, CIN L65190GJ1994PLC021012

Note: This duplicate copy is for the exclusive records of the applicant and any request including claim made by any person based on this copy shall not be honoured by OIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

Annexure-2

Performance Bank Guarantee Format

Re: Bank Guarantee in respect of Agreement / Contract vide no dated between Coal India Ltd. on behalf of (Name of concerned subsidiary Company) and (Name of Supplier Company) {applicable for CIL Contracts}
Messers
The
We(Name of the Bank) do hereby unconditionally agree with the Company that if the Contractor shall in any way fail to observe or perform the terms and conditions of the said Agreement or shall commit any breach of its obligations thereunder, the Bank shall on demand and without any objection or demur pay to the Company, the said sum of Rs or any portion thereof without requiring the Company to have recourse to any legal remedy that may be available to it to compel the Bank to pay the same or calling on the Company to compel such payment by the Contractor.
Any such demand shall be conclusive as regards the liability of the Contractor to the Company and as regards the amount payable by the Bank under this guarantee. The Bank shall not be entitled to withhold payment on the ground that the Contractor has disputed its liability to pay or has disputed the quantum of the amount or that any arbitration proceeding or legal proceeding is pending between the Company and the Contractor regarding the claim.
We, the Bank, further agree that the guarantee shall come into force from the date hereof and shall remain in full force and effect till the period that will be taken for the performance of the said Agreement which is likely to be the day of

The Bank further agrees with the Company that the Company shall have the fullest liberty without the consent of the Bank and without affecting in any way the obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend the time for

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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performance of the said Agreement from time to time or to postpone for any time or from time to time any of the powers exercisable by the Company against the contractor and to forbear to enforce any of the terms and conditions relating to the said Agreement and the Bank shall not be relieved from its liability by reason of such failure or extension being granted to the contractor or through any forbearance, act or omission on the part of the Company or any indulgence by the Company to the contractor or any other matter or thing whatsoever which under the law relating to sureties would but for this provisions have the effect of relieving or discharging the Guarantor.

The Bank further agrees that in case this guarantee is required for a longer period and it is not extended by the Bank beyond the period specified above, the Bank shall pay to the Company the said sum of Rs...... or such lesser sum as may then be due to the Company and as the Company may require.

Notwithstanding anything herein contained the liability of the Bank under this guarantee is restricted to Rs......only. The guarantee shall remain in force till the.....day of20... and unless the guarantee is renewed or a claim is preferred against the Bank within the validity period and/or the claim period from the said date, all rights of the Company under this guarantee shall cease and the Bank shall be released and discharged from all liability hereunder except as provided in the preceding clause.

Dated this.....day of20.....

Place.....S

Signature of the authorized person(s) For and on behalf of the Bank.

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CIL/C2D/Crawler Dozer/R-153/309 dated 07 10.2025

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CE Marketing Division

Annexure-3

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Pro-forma of Commissioning Certificate to be issued by the Purchaser after Successful <u>Commissioning of Equipment</u>

No. :		Date :
M/s:		
Sub	: Certificate of Commissioning of Equipment	
1.	This is to certify that the equipment as detailed be with all the standard and special accessories and a specifications. The same has been installed and co	a set of spares in accordance with the Contract /
	(a) Contact No Date	
	(b) Description and Model of the Equipment _	
	(c) Details of Commissioning:	
	Manufacturer's Equipment / Sl. No.	Date of Commissioning (date/month/year)
	(f) R/R Consignment Note/ Challan No.(g) Date of receipt of last consignment of equip	
	(f) R/R Consignment Note/ Challan No	Date
	(h) Name of the Project/ Consignee	
	Details of Accessories / Spares & Consumable recoveries to be made on that account:	es for warranty period not yet supplied and
	Sl. No. Description	Amount to be recovered
	The proving test has been done to our entire sarpperate the equipment.	atisfaction and operators have been trained to The Asian Busin CE Marketing Division
4.	The supplier has fulfilled his contractual obligation Or	ns for successful commissioning satisfactorily:

CIL/C2D/Crawler Dozer/R-153/809 dated 07,10.2025

The supplier has failed to fulfil his contractual obligations with regard to the following:

- (a)
- (b)
- (c)
- (d)
- 5. The amount of recovery on account of non-supply of accessories is given under paragraph number 2.
- 6. The amount of recovery on account of failure of the Supplier to meet his contractual obligations is as indicated in endorsement of the letter.

Signature (s)

Name(s)

Designation(s) with Stamp

Explanatory notes for filling up the commissioning certificate by the Purchaser

- (a) He has adhered to the time schedule specified in the contract in dispatching the documents / drawings pursuant to Technical Specifications.
- (b) He has supervised the commissioning of the equipment in time, i.e. within the period specified in the Contract from the date of intimation by the Purchaser in respect of the installation of the Equipment.

The commissioning certificate shall be signed by the concerned officials of the Project and counter-signed by the Area General Manager and HOD of Excavation Deptt. of subsidiary company.

In the event of documents / drawings having not been supplied or installation and commissioning of the Equipment having been delayed on account of the Supplier, the extent of delay should always be mentioned.

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7,10,2025

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CE Marketing Division

Annexure - 4

Format for 'No Claim Certificate' to be issued by Supplier

(On company letterhead) To subsidiary Company / Purchaser Company) NO CLAIM CERTIFICATE Sub: Contract no. ----- dated -----for the supply of ----only) in full and final We have received the sum of Rs. (Rupees settlement of all the payments due to us for the supply of under the (CIL or above mentioned contract agreement, between us and Subsidiary). We hereby unconditionally and without any reservation whatsoever, certify that we have no claim whatsoever, of any description, on any account, against (Procuring Entity i.e. concerned subsidiary / Purchaser Company), against aforesaid contract agreement executed by us. We further declare unequivocally, that we have received all the amounts payable to us, and have no dispute of any description whatsoever, regarding the amounts worked out as payable to us and received by us, and that we shall continue to be bound by the terms and conditions of the contract agreement, as regards performance of the contract. Yours faithfully, Signatures of contractor / supplier or officer authorised to sign the contract documents on behalf of the contractor / supplier (Company stamp) Date: Place:

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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ANNEXURE - 5

Hindrance Register Format

Equipme	ent:	Model:			Supplier:	
Nature of Hindrance	Activity of work affected	Date of occurrence of Hindrance	Date of Removal of Hindrance	Period of Hindrance	Signature of Supplier Representative	Signature of Users Representative (Concerned Engineer)

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CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

Annexure to Technical Specifications







CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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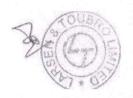
Clause D.9.1.b

Annexure-6a

Sl no.	Part Number	of standard & special tools per e Part Name	Q'ty
1	X21-0972120	TOOL KIT consists the following	1
		SOCKET WRENCH SET	
2	09020-10284	(Consists of Sl. no. 3 to 13)	1
3	09021-01016	SOCKET	1
4	09021-01319	SOCKET	1
5	09021-01422	SOCKET	1
6	09021-01725	SOCKET	1
7	09021-01928	SOCKET	1
8	09021-02233	SOCKET	1
9	09021-02436	SOCKET	1
10	09021-02739	SOCKET	1
11	09021-03044	SOCKET	1
12	09021-03246	SOCKET	1
13	09021-03653	SOCKET	1
14	09022-00150	EXTENTSION	1
15	09022-00250	EXTENTSION	1
16	09023-00300	HANDLE	1
17	09024-00300	HANDLE	1
18	09025-00075	UNIVERSAL JOINT	1
19	09026-00250	HANDLE	1
20	09027-00300	BAR	1
21	09039-00150	HAMMER	1
22	07952-70014	PUMP A.	1
23	07951-31400	NOZZLE	1
24	09055-10390	BAR	1
25	07950-90403	GREASE	1
26	09019-28036	WRENCH	1
27	09056-04613	TOOL BAG	1
28	09002-01417	WRENCH	1
29	09002-01922	WRENCH	1









CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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Ref.: MEB/CIL/D475/1st Clarify/13

Date: 25th September, 2024

M/s. Coal India Limited, Coal Bhawan, Premises No. 4, Action Area IA, New Town, Rajarhat, Kolkata-700 156, India

Dear Sir,

Sub: Clarification under clause D.9.1, General (b), Technical Details, Section VI

Technical Specifications

1. Your Tender Ref. No: CIL/C2D/850 HP Dozer/R-153/24-25/395 dated 12.06.2024

2. Your Letter Ref. No: CIL/C2D/850 HP Dozer/R-153/24-25/471 dated 18.09.2024

We hereby certify that the tools offered are sufficient and as per requirement for repair and maintenance of the offered equipment.

Thanking you and assuring you of our best services and attention at all times,

Thanking you, Yours Faithfully For Larsen & Toubro Limited

(Rajat Chakraborty)

Deputy General Manager

Mining Equipment Business - Kolkata



Registered Office: L&T House, N. M. Marg Mumbai - 400 001, INDIA

CE Marketing Divi

Larsen & Toubro Limited, Mining Machinery 3-B, Shakespeare Sarani, Kolkata – 700 071, INDIA Tel: +91 33 4400 2301 Fax: +91 33 2282 0647/7587/1025 www.larsentoubro.com

L&T Mining Machinery is a brand of Larsen & Toubro Limited CIN L99999MH1946PLC004768

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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KOMATSU

Komatsu Ltd. 1-2-20, Kaigan Minato-ku, Tokyo 105-8316, Japan https://home.komatsu/en/

Ref: KLTD/CIL/D475/24-25/003

Date: 24-Sep-2024

M/s. Coal India Limited, Coal Bhawan, Premises No. 4, Action Area IA, New Town, Rajarhat, Kolkata-700 156, India

Dear Sir,

Sub: Clarification under Clause D.9.2.(x) Section VI Technical Specifications

Ref: 1. Your Tender Ref. No: CIL/C2D/850 HP Dozer/R-153/24-25/395 dated 12.06.2024 2. Your Letter Ref. No: CIL/C2D/850 HP Dozer/R-153/24-25/471 dated 18.09.2024

We hereby declare the major bought out assemblies and sub-assemblies as per the below list.

Sl No.	Item description	Make	Туре	Address of manufacturer
1	Starter motor & Starter Control	Nikko electric	7.5 kW	90 chi, Bodai, Hadano-shi, Kanagava, 259-1302, Japan.
2	Alternator	Sawafuji electric	24V/100A	3, Nittahayakawa-cho,Ota city, Gunma, 370-0344, Japan.
3	Air Conditioner	Denso	Automatic	3171-52, Tonyamachi, Utsunomiya-shi, Togichi, 321-0911, Japan.
4	Battery	GS Yuasa	4x12 V, 200 Ah	1, Inobanba-cho, Nishinosho, Kisshoin, Minami-ku, Kyoto, 601-8520, Japan.

Thanking you and assuring you of our best services,

The Asian Business CE Marketing Division

Yours sincerely For Komatsu Ltd.,

Authorized Signatory

UBAName: Kazuma Nakanishi

Pate: 24th Sep 2024

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CE Marketing Division

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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Offer No.: MEB/CIL/D475/12

Date: 25th July, 2024

To Coal India Limited, Coal Bhawan, Premises No. 4, Action Area IA, New Town, Rajarhat, Kolkata-700 156, India.

Dear Sir,

Sub: List of Items Sourced in INR

Ref: Your Tender No. CIL/C2D/850HP Dozers/R-153/395 dated 12/06/2024.

We hereby declare the list of items sourced in INR for fitment in the equipment during its commissioning.

Sl. No.	Item description	Vendor/Make
A	DGMS Safety items / devices	
1	Automatic Fire Detection & Suppression System	Southern Electronics/Automation Controls/MACO Corp.
2	Fire Extinguisher	Southern Electronics/Automation Controls/MACO Corp.
3	Rear view camera	MyPort services/Davesmen/ Southern Electronics
4	Fatigue Monitoring System	MyPort services/Davesmen/ Southern Electronics
5	Seat belt with reminder	MyPort services/Davesmen/ Southern Electronics
6	Audio Visual Alarm	MyPort services/Davesmen/ Southern Electronics
7	LED lights	Hella / MyPort services / Davesmen
8	Retro reflective tapes	Aura adhesive tapes
В	Tools and Tackles	
9	Lubricant transfer pump	LUB SOLUTIONS PVT, LTD.
С	Automatic Lubrication System	
10	Automatic Centralized Lubrication System	Graco/SKF Engineering

Vendor / Manufacturer address:

- 1. Southern Electronics (Bangalore) Pvt Ltd., 16-A, Peenya Industrial Area, Phase-1, Peenya, Bangalore - 560 058, Tel No: +91-80 - 3928-0341
- 2. AUTOMATION CONTROLS, K-10/2, MIDC HINGNA, NAGPUR 440016, Tel no: 07104-2451900
- 3. Maco Corporation (India) Pvt. Ltd., 2/5, Sarat Bose Road, Sukhsagar, 7th Floor, 7A, Kolkata 700 020, Tel no: +91 (33) 3029 4100

4. LUB SOLUTIONS PVT. LTD. (Graco), 84 5 GROUND FLOOR V, RAMANNA COMPOUND, 6TH

PIPELINE ROAD, BENGALURU - 560091, Te +91-80 - 23580469

Larsen & Toubro Limited, Mining Machinery 3-B, Shakespeare Sarani, Kolkata – 700 071, INDIA Tel: +91 33 4400 2301 Fax: +91 33 2282 0647/7587/1025 www.larsentoubro.com L&T Mining Machinery is a brand of Larsen & Toubro Limited

CIN L99999MH1946PLC004768

Registered Office L&T House, N. M. Marg **Ballard** Estate

Mumbai - 400 001, INDIA

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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- 5. SKF Engineering & Lubrication India Pvt. Ltd., 249 & 250, Lincoln Helios india Ltd., Bommasandra Industrial area, Bangalore 560099, Tel No: +91-80 61301000
- 6. Myport Services India Pvt. Ltd., 5 509 510 511, Atlantic commercial tower, Patel chowk, R B Mehta Marg, Mumbai 400077, Tel: +91 022 2506-7553
- 7. Davesmen India Private Limited, 12 A, Lord sinha road, Room no. 206, 2nd floor, Kolkata 700071, West Bengal, Tel: 91-33-4062-9386
- 8. Auraa Adhesive Tapes Pvt. Ltd., #1, Ganesh glory nakshatra colony, Near akashvani tower, Gangapur road, Nashik 422005, Tel: 83088 29287
- 9. Mindscape Marketing (Hella), 301, Space apollo, Mahatma Nagar, Nashik 422007, Tel: 88888 08644

Thanking you and assuring you of our best services at all times Yours sincerely For Larsen & Toubro Limited

(Rajat Chakraborty) Deputy General Manager

Mining Equipment Business - Kolkata

RAJAT CHAKRABO RTY

Digitally signed by RAJAT CHAKRABORTY DN: c=IN, o=LARSEN AND TOUBRO LIMITED, ou=MEB, 2.5.4.20=65be0bdc965cd2ee9168cf6a63e 6f50454adb75a8de4a24075844d8296951 e4d, postalCode=110019, st=Delhi, serialNumber=ed4f4fcccab0c226c10925c 3381cd5113a5946c25b0483ec2704b50d7 d644412, cn=RAJAT CHAKRABORTY Date: 2024.08.07 11:34:15 +05'30'

Registered

Office

L&T House N. M. Marg Ballard Estate

Mumbai - 400 001, INDIA

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Larsen & Toubro Limited, Mining Machinery
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CIN L99999MH1946PLC004768

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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rican	ricants for D475A-5E0		With Ripper		
I.No.	Item	Komatsu Recommended Fluid Grades	Approx Annual Consumption (in Lts)	Shell	Castrol
1	Engine (in Lts)	Komatsu E015W40-DH	1330	RimR3X15W40CH4	Tection J-Max 15W40
2	Damper Case (in Lts)	T030	4	Spirax S4 CX 30	RX SAE 30
3	Power Train (in Lts)	1030	1050	Spirax S4 CX 30	RX SAE 30
4	Final drive case (both) (in Lts)	GO85W140	300	Spirax S2 A 85W 140	Extra Long Life Rear Axle Oil 85W/140
2	Hydraulic system (in Lts)	TO10 / HO46-HM	340	Rimula R3 10 W	RX SAE 10W
9	Coolant	AF-NAC	210	Indian equivalent coolant shall t	Indian equivalent coolant shall be provided by L&T under part no. SYCG-AF- NACDM
7	Grease (in Kg)	G2-LI	552	Gadus S1 V 220 2	EPL-2 Grease

Lubricant	ubricants for D475A-5E0		Without Ripper		
SI.No.	Item	Komatsu Recommended Fluid Grades	Approx Annual Consumption (in Lts)	Shell	Castrol
1	Engine (in Lts)	Komatsu EO15W40-DH	1330	RimR3X15W40CH4	Tection J-Max 15W40
2	Damper Case (in Lts)	T030	4	Spirax S4 CX 30	RX SAE 30
33	Power Train (in Lts)	TO30	1050	Spirax S4 CX 30	RX SAE 30
4	Final drive case (both) (in Lts)	G085W140	300	Spirax S2 A 85W 140	Extra Long Life Rear Axle Oil 85W/140
5	Hydraulic system (in Lts)	T010 / H046-HM	340	Rimula R3 10 W	RX SAE 10W
9.	Coolant	AF-NAC	210	Indian equivalent coolant shall b	Indian equivalent coolant shall be provided by L&T under part no. SYCG-AF- NACDM
7	Grease (in Kg)	62-11	200	Gadus S1 V 220 2	EPL-2 Grease

Note:

1. We strongly recommend Komatsu Genuine oil (KGO), which is superior and enhances the service life of the components.

2. Oil brands of Shell, Castrol are near equvialents of Komatsu recommendation.

3. Usage of Equivalent grade Lubricants other than Komatsu recommended fuild grades (KGO) are subject to oil analysis.

4. Annual consumption provided is indicative/Approx. Actual consumption may subject to change







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Komatsu Ltd.
Shiodome Building,
No.2-20 Kaigan,
1-Chome, Minato-ku,
Tokyo 105-8316, Japan
Tel: +81-3-6849-9874

Fax: +81-3-6849-9853

QUALITY ASSURANCE PLAN

Enclosed is the Quality Assurance Plan for Crawler Dozer Model D475A-5E0 manufactured at Komatsu Ltd., Osaka Plant, Japan.

	Inspection of incoming material at source (Vendor's premises) is carried out by representatives of Komatsu.	
INCOMING MATERIAL	The general procedures to be followed are detailed in the departmental operating procedures.	
	In case inspection of items is done at division, the same is carried out as per approved inspection plan/check sheet existing for the item. This does not apply to	
	proprietary items.	
	However, performance checks on such items are covered during equipment testing.	
COMPONENTS	Sourcing from foreign source is resorted to only on specialized items and only from reputed companies.	
SOURCED FROM FOREIGN SOURCE	Inspection at receipt stage is limited to Visual Inspection for transit damages, conformance to packing list etc.	
	However, performance checks on such items are covered during Equipment testing.	
PROPRIETARY ITEMS	Items which are proprietary in nature are accepted based on Test	
	Certificates/declaration by manufacturer. However, performance checks on such items are ensured during Equipment Testing.	
ITEMS MANUFACTURED	Since every division of KOMATSU has accreditation to ISO 9001 well established	
BY OTHER	systems exist for manufacture & testing.	
DIVISIONS OF KOMATSU	However, performance checks on such items are covered during equipment testing.	
	For all critical components/aggregates documented process sheets. Work	
IN-HOUSE MANUFACTURED COMPONENTS	Inspections which describe the method of manufacture and list of such items are available.	
	The components/aggregates are suitably classified based on the criticality. Details of parameters to be checked and records to be maintained are documented.	
	in the inspection plan/check sheet & accordingly maintained.	
PLUMBING WORK	Plumbing work will be carried out as per the Drawing requirement.	

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The Asian Business CE Marketing Davision

CIL/C2D/Crawler Dozer/R-153/309 dated 07/1

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Komatsu Ltd.
Shiodome Building,
No.2-20 Kaigan,
1-Chome, Minato-ku,
Tokyo 105-8316, Japan
Tel: +81-3-6849-9874

Fax: +81-3-6849-9853

ASSEMBLY	Well-defined process sheets, exploded view are available for all Major Assy activities. Inspection plans are also prepared which cover the various check points. The check points cover all critical areas like Engine-Transmission alignment, Torques on all critical Hard wares, Brakes Adjustments, Hydraulic System Pressures, Linkage Adjustment, Engine RPM, Lubrication oil Pressures, Steering System adjustments, Operating forces on control levers checks for various safety features and attachments as per order terms. Well-developed check lists are also developed & approved by competent authority, which cover the exact values of the parameters to be checked and their acceptance norms. Such check lists are maintained for each and every Equipment and complete traceability is maintained.
FIELD TESTING	Detailed work instruction exists for carrying out Field and Final testing. Suitable check lists are available & maintained. Field test comprehensively covers the following areas: Greasing of various joints, Oil levels, Steering mechanism, Brake effectiveness, Stabilization of Hydraulic Oil temperature, Speed test, Electrical functions Drift in Hydraulic Cylinders, etc. In addition, all Equipment is tested for specified duration.
PAINTING	Painting procedures are carried out as per company standards. A work instruction for ensuring process control & also for inspection of final painted product exists and suitable records are maintained. The parameters inspected include paint viscosity, dry film thickness, painting defects etc.

The above procedure also meets ISO 9001 requirement. Thanking you and always assuring you of our best of services.

The Asian Business CE Marketing Division

Yours Sincerely, For Komatsu Ltd.,

Authorized signatory

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The Asian Business CE Marketing Division

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07.10.2025 Page 133 of 212

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025



Komatsu Ltd.
Shiodome Building,
No.2-20 Kaigan,
1-Chome, Minato-ku,
Tokyo 105-8316, Japan
Tel: +81-3-6849-9874
Fax: +81-3-6849-9853

Ref: CIL/D475/24-25/Tech/07

Date: July 9, 2024

M/s. Coal India Limited, Coal Bhawan, Premises No. 4, Action Area IA, New Town, Rajarhat, Kolkata-700 156, India

Dear Sir,

Sub: Self certificate for engine emission as per clause VI.D.4.1

Ref: Your Tender Ref. No: CIL/C2D/850HP Dozers/R-153/24-25/395 Dated 12.06.2024

We hereby confirm that, Komatsu Crawler Dozer Model D475A-5EO offered against this tender is equipped with a Komatsu SAA12V140E-3 engine which meets EPA Tier 2 emission levels.

Thanking you and always assuring you of our best services.

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Yours sincerely

For Komatsu Ltd.,

Authorized Signatory Name: Kazuma Nakanishi

Date: 9th July 2024

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CIL/C2D/Crawler Dozer/R-153/309 dated

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As per clause D.4.2

Details of Drive System for Komatsu Crawler Dozer Model D475A-5E0

TRANSMISSION:

Komatsu TORQFLOW transmission consists of a water-cooled, 3-element, 1-stage, 1-phase torque converter with lockup clutch and a planetary gear, multiple-disc clutch transmission which is hydraulically actuated and force-lubricated for optimum heat dissipation. Gearshift lock lever and neutral safety switch prevent accidental starts. Heavy-duty removable belly guard designed such that it does not allow accumulation of dirt.

The transmission develops 3 forward & 3 reverse speeds as mentioned below,

Gear	Forward	Reverse
1 st	3.3 km/h	4.2 km/h
2 nd	6.2 km/h	8.0 km/h
3 rd	11.2 km/h	14.0 km/h

FINAL DRIVE:

Double-reduction final drive of spur and planetary gear sets to increase tractive effort and reduce gear tooth stresses for long final drive life. Segmented sprocket teeth are bolt-on for easy replacement.

STEERING SYSTEM:

PCCS lever, joystick-controlled, wet multiple-disc steering clutches are spring-loaded and hydraulically released. Wet multiple-disc steering brakes are spring-actuated, hydraulically released, and require no adjustment. Steering clutches and brakes are interconnected for easy, responsive steering.

Minimum turning radius: 4.6 m

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CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

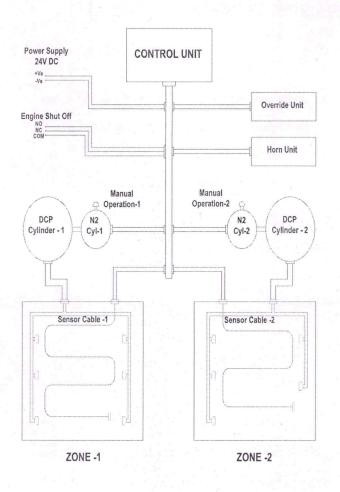
Page 135 of 212

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Jon. Harry I

Write up on Automatic Fire Detection and Suppression System Zonal Type



The Automatic Fire Detection & Suppression System is designed to have dedicated set of discharge nozzles, Extinguisher Cylinder, Sensing and Manual Operation for two different fire hazard zones covering areas such as Engine, Hydraulics System, Fuel etc.

AFDS System Main Control Unit consists of 2 Zones, wherein detected nozzles, Extinguisher Cylinder, Nitrogen Cylinder, Sensing cable and Manual Operation are provided. In case of fire Zone-1/Zone-2 area the sensor cable routed in the Z1/Z2 Area will detect the fire and discharge the Z1/Z2 Extinguisher Cylinder through pre-defined Nozzle points and simultaneously common Alarm will starting hooting and Engine Shut off relay will energize.

The System can be activated manually by Nitrogen Cylinder provided Zone wise. Pull the locking pin of the Nitrogen Cylinder and strike the knob of Z1/Z2 and DCP Extinguisher will discharge in respective zones.

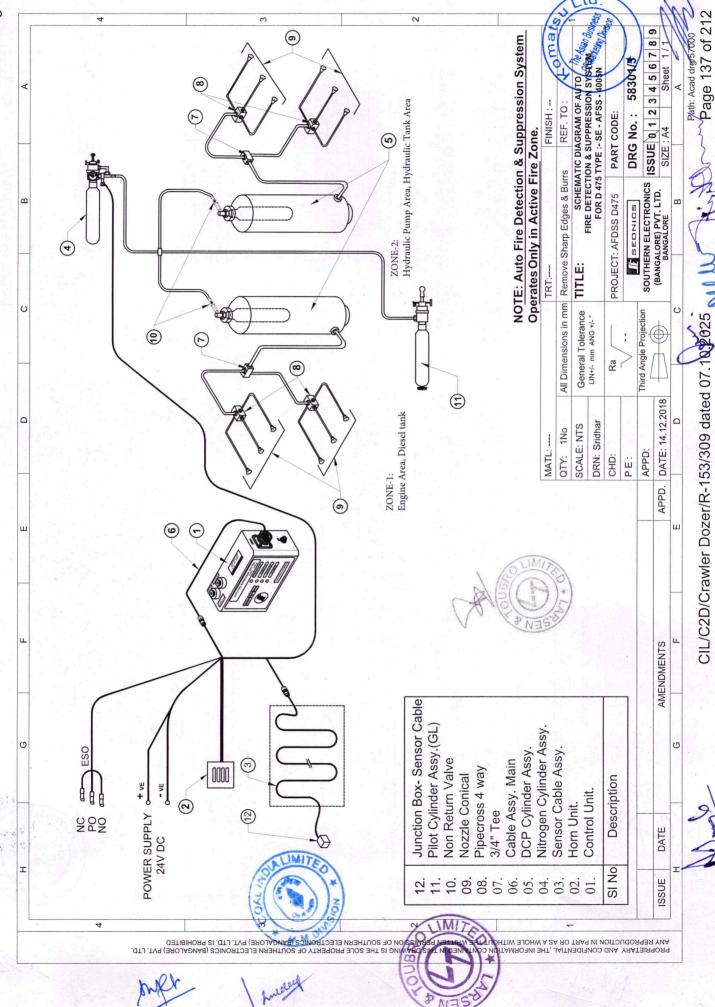


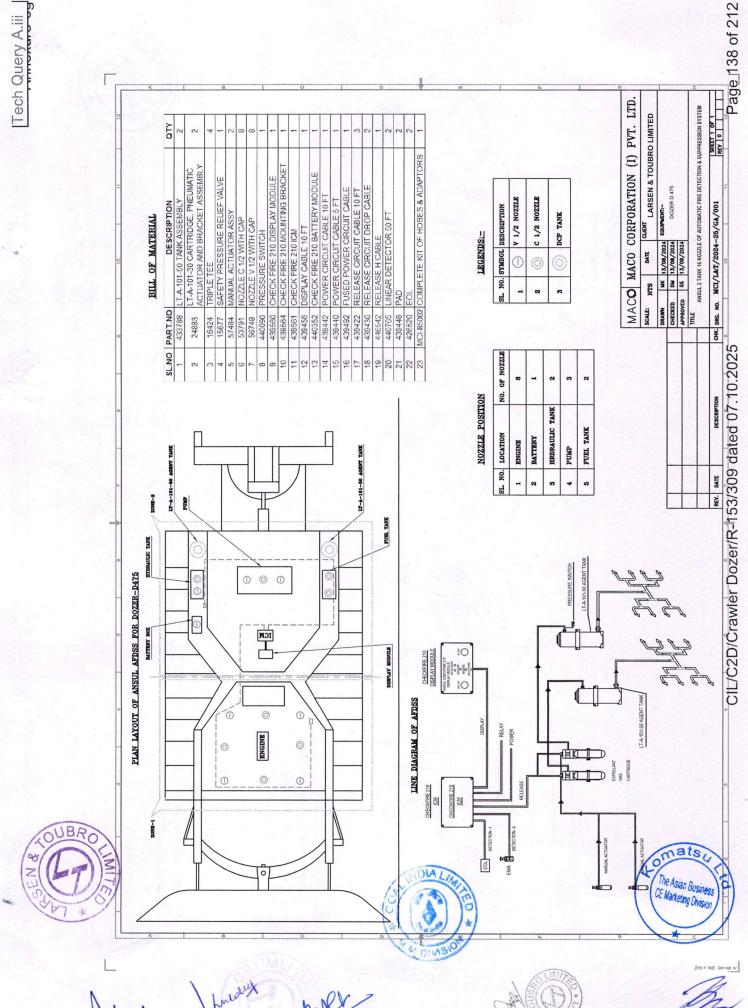


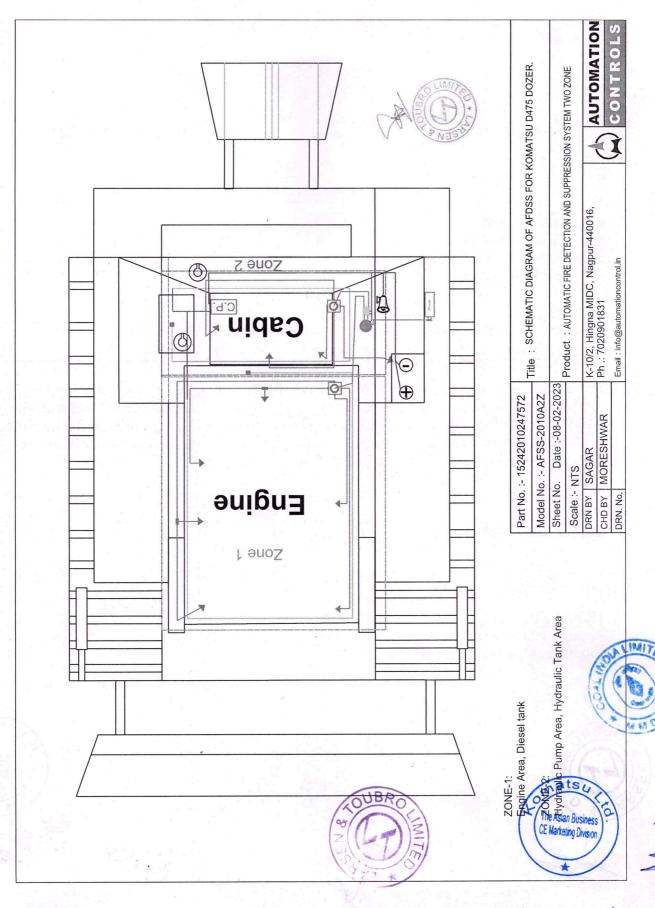


CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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Jan.



Ref.: MEB/CIL/D475/2

Date: 25th July, 2024

To Coal India Limited, Coal Bhawan, Premises No. 4, Action Area IA, New Town, Rajarhat, Kolkata-700 156, India.

Dear Sirs,

Sub: Certificate Of Undertaking as per NIT Clause No. Section VI. Part D.4.18. Ref: Your Tender No. CIL/C2D/850HP Dozers/R-153/395 dated 12/06/2024.

We confirm a valid Test Certificate (valid as on the date of commissioning of the equipment at site) shall be submitted at the time of supply of equipment along with other documents, for AFDSS including materials and chemicals used in fire suppression system from any Government or Government approved Laboratory in compliance with relevant Indian Standards as per DGMS (Approval) Circular No. 02 dated 08th July 2013, with subsequent amendments.

Thanking you, Yours Faithfully For Larsen & Toubro Limited

(Rajat Chakraborty)

Deputy General Manager

Mining Equipment Business - Kolkata

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Larsen & Toubro Limited, Mining Machinery
3-B, Shakespeare Sarani, Kolkata – 700 071, INDIA
Tel: +91 33 4400 2301 Fax: +91 33 2282 0647/7587/1025
www.larsentoubro.com

L&T Mining Machinery is a brand of Larsen & Toubro Limited

Meh-

Registered Office : L&T House, N. M. Marg Ballard Estate Mumbai – 400 001, INDIA

CIN L99999MH1946PLC004768

The Asian Business CE Marketing Givision

Technical details of Fire Extinguisher

Type	Dry Chemical powder type
Qty.	1 No.
Make	Southern Electronics/Automation Controls/MACO Corp
Capacity	5 Kg







The Asian Business CE Marketing Division

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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Ref.: MEB/CIL/D475/3

Date: 25th July, 2024

To Coal India Limited, Coal Bhawan, Premises No. 4, Action Area IA, New Town, Rajarhat, Kolkata-700 156, India.

Dear Sirs,

Sub: Certificate Of Undertaking as per NIT Clause No. Section VI. Part D.4.19. Ref: Your Tender No. CIL/C2D/850HP Dozers/R-153/395 dated 12/06/2024.

We confirm a valid Test Certificate (valid as on the date of commissioning of the equipment at site) shall be submitted at the time of supply of equipment along with other documents, for Fire Extinguisher including Materials and Chemicals to be used in fire extinguisher from any Government or Government approved Laboratory in compliance with relevant Indian Standards as per DGMS Circular No. DGMS (Approval) Circular No. 02 dated 08th July, 2013, with subsequent amendments.

Thanking you, Yours Faithfully For Larsen & Toubro Limited

(Rajat Chakraborty)
Deputy General Manager
Mining Equipment Business -

Mining Equipment Business - Kolkata

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Registered Office: L&T House, N. M. Marg Ballard Estate Mumbai – 400 001, INDIA

Larsen & Toubro Limited, Mining Machinery

3-B, Shakespeare Sarani, Kolkata – 700 071, INDIA Tel: +91 33 4400 2301 Fax : +91 33 2282 0647/7587/1025 www.larsentoubro.com

L&T Mining Machinery is a brand of Larsen & Toubro Limited

CIN L99999MH1946PLC004768

KOMATSU

Komatsu Ltd.
Shiodome Building,
No.2-20 Kaigan,
1-Chome, Minato-ku,
Tokyo 105-8316, Japan
Tel: +81-3-6849-9874

Fax: +81-3-6849-9853

Ref: CIL/D475/24-25/Tech/08

Date: July 9, 2024

M/s. Coal India Limited, Coal Bhawan, Premises No. 4, Action Area IA, New Town, Rajarhat, Kolkata-700 156, India

Dear Sir,

Sub: Safety Features as per clause VI.D.4.20

Ref: Your Tender Ref. No: CIL/C2D/850HP Dozers/R-153/24-25/395 Dated 12.06.2024

We hereby confirm that the offered equipment shall comply with all the safety provision and devices required as per Gazette Notification dated 01.10.2018 and DGMS (Tech) Circular No 06 of 2020 Dhanbad dated 27.02.2020.

Our clause-wise confirmation to DGMS Gazette Notification dated 01.10.2018 and DGMS (Tech) Circular No 06 of 2020 Dhanbad dated 27.02.2020 is enclosed herewith for your reference.

Thanking you and always assuring you of our best services.

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The Asian Business OE Makeing Division

Yours sincerely

For Komatsu Ltd.,

Authorized Signatory Name: Kazuma Nakanishi

Date: 9th July 2024

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The Asian Business CE Marketing Division

Angle ment for

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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MODEL: D475A-5E0

The following Safety features and devices shall be provided in	GMS Notification Dated 01-Oct-18 d in Heavy Earth Moving Machinery (HEMM	1) including trucks and tippers
A. Access		
(i) Safe access to the Operator Station and to routine mainte	nance points of HEMM shall be provided.	
Proper placement of components of the access system shall	permit and encourage a person to use	
three-point support while ascending, descending or moving	about the access system, when more	
than 1m above the ground. Two-point support is acceptable	for stairs, stairways, ramps, walkways	Complied as per ISO 2867 (Access Systems)
and platforms. Three-point support should be used for all la	dder systems. Track shoe and track pad	
surfaces are accepted as access steps if three-point support	is provided when the HEMM is in 'OFF'	
condition.		
(ii) On machines with articulated frames and in the fully artic		
clearance of 150 mm shall be provided between firm structu		Not applicable
movement in the path of the access systems to the operator		
(iii) An alternative exit path shall be provided on a different		
access path from the operator platform. If the alternative ex		Complied
identified. The alternative exit path is intended for emergence		
therefore does not need to meet the primary access require	nents.	
B. Operator's Station (Cabin):		
(i) The cabin shall protect the operator against foreseeable a		C
etc. Air-conditioning system shall be provided in the Operat		Complied
adjustable heating system and a system for defrosting wind (ii) Alternative opening (Emergency Exit): An alternative open		
that of the primary opening. A window panel or another doc		
or remove without the use of keys or tools. Latches may be		
inside without the use of keys or tools. The breaking of a sui		Complied
represent a suitable alternative opening, provided that the n		- Compared
the operator, is provided and stored in the cab. When the w		
emergency exit, it shall bear an appropriate marking.	non paner is used as air	
(iii) Doors and Windows: Doors, Windows and flaps shall be	securely held in their intended operating	
positions. Doors shall be retained at their intended operatin		
device. The front window shall be fitted with motorized wind		Complied
the window washers shall be easily accessible.		
(iv) Pipes and hoses that contain fluids at pressures exceeding	g 5 MPa or temperatures above 60 °C	
located inside the cab shall be suitably guarded.		Complied
C. Operator's protective Structures:		
(i) All HEMM with a seated operator shall be equipped with	a roll-over protective structure (POPS). The	
ROPS shall comply with ISO 3471. Further, it shall also be fit		Complied
applications where there is a risk of falling objects. The fitted		Complied
	1013 shan be in decordance with 130 3443.	
D. Seats:	the designed adjustable sent that supports	
(i) The Operator's Station shall be fitted with an ergonomica		
the operator in a position that allows the operator to contro conditions. The seat and it's suspension shall be so designed		Complied
the lowest level that can be reasonably achieved.	to reduce vibration transmitted to the operator to	
(ii) If an additional seat for a trainer is installed in the Operat	or's Station, it shall be padded and shall	
provide adequate space for the trainer. The trainer shall also		Not applicable
handhold.		
(iii) Seat Belt for Operator with reminder shall be provided.	3 - 1 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	Supplied locally by L&T
E. Operator's Controls and Indicators:		
(i) The controls shall be of suitable design and construction a	and arranged so that they are able to be	
	operator's force limits. Controls shall be	
operated with ease from the operator's seat and within the		
operated with ease from the operator's seat and within the or laid out and designed to allow easy and safe operation base	d on the principle that a given direction	Complied
		Complied
laid out and designed to allow easy and safe operation base		Complied
laid out and designed to allow easy and safe operation base of movement of any control produces a consistent and expe	cted effect. The surfaces of frequently	Complied
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laid out and designed to allow easy and safe operation base of movement of any control produces a consistent and expeused pedals shall be fitted with skid resistant type materials. (ii) Controls that can cause a hazard due to inadvertent active guarded as to minimize the risk—particularly while the operator's station. The deactivation device shall either be selectuation of the relevant device. (iii) A device/system shall be provided to release the residuatircuits which can cause a risk. Estarting and Stopping System: (i) All HEMM shall be equipped with a starting and stopping shall have a provision for protection against unauthorized us (ii) The starting and Stopping system shall be designed such equipment and attachment, shall not be possible, while start activating the controls. (E.g. Transmission Neutral-Engine Sts (iii) In case of Remote control operated equipment, the Start any National/Internationally accepted standard. 5. Steering System: (i) The steering system shall be such that the movement of to intended direction of steering. (ii) Hydraulic Steering circuits shall, if used, incorporate the feld) pressure control devices as required to avoid excessive probability pressure control devices as required to avoid excessive probability pressure control devices as required to avoid excessive probability pressure control devices as required to avoid excessive probability pressure control devices for normal and emergency (c) plumbing arrangements which avoid excessively tight hoshoses, or scrubbing and chafing of hoses.	ation shall be so arranged, deactivated or rator is getting into or out of the fracting or shall act by compulsory I pressure in each hydraulic and pneumatic device (e.g. key). The starting system see. that movement of the machine, working sing or stopping the engine, without art safety arrangement). ing and Stopping system shall conform to the steering control corresponds to the collowing features: ressures in the hydraulic circuit; trees at least four times the working steering systems; see bends, torsion in the installed solo function with reverse machine to km/h. Its of function with reverse machine of km/h. Irce shall be provided. This warning	Complied Complied Complied Complied Not applicable Complied Complied

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Annexure-6i

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(v) Articulation safety lock shall be provided in articulated steering equipment. All articulated equipment shall be equipped with a safety bar or a device, which can readily be fitted without special tools, to prevent movement of the articulation joint during maintenance work in the vicinity	Not applicable
of this joint	
H. Brake System:	
All HEMM shall be equipped with the following brake systems and all these systems shall be effective under all	
conditions of service, load, speed, terrain and slope, according to the intended use of	
the machine:	A 11
(i) Service brake: to be used as the primary braking system during normal operation of the	Complied
equipment.	
(ii) Emergency brake - to be applied by the operator in the event of a failure of the service brake.	Not applicable
(iii) Parking brake - used to prevent movement of stationary equipment.	Complied
Provided that at least one of the brakes shall be "fail safe", i.e. the spring applied- hydraulically	Complied
released (SAHR) or any other means.	
All HEMM shall have a brake system in accordance with ISO 3450 except for crawler machines with a	Complied
travel speed less than 20 km/h, which shall have a brake system in accordance with ISO 10265.	
I. Visibility:	
(i) All HEMM shall be designed so that the operator has sufficient visibility from the operator's	
station in relation to the travel and work areas of the machine necessary for its intended use. The	Complied
performance criteria shall be in accordance with ISO 5006.	C C J L. O.T.
(ii) Rear Vision Camera shall be provided in all HEMM.	Supplied locally by L&T
(iii) Blind Spot Mirrors / Camera apart from rear side view mirror to enable operator to have clear	Complied
visibility of blind spot shall be provided in all HEMM J. Stability:	
 (i) All HEMM with attachments, including optional equipment, shall be designed and constructed so that stability is provided under all intended operating conditions including maintenance, assembling, 	Complied
dismantling, and transportation, as specified by the manufacturer in the operation manual.	Complied
(ii) Devices (e.g. outriggers, oscillating axle locking) intended to increase the stability of HEMM in	
working mode shall be fitted with interlocking devices or check valves which keep them in position	Not applicable
in case of hose failure or in case of oil leakage.	Two applicable
K. Noise:	
The operator and persons near to the HEMM shall not be exposed to noise level that exceeds an eight	
hour equivalent continuous sound pressure level of 85 dB(A) and wherever it exceeds 85 dB(A),Personnel	Complied
Protection Equipment (PPE) of adequate strength shall be used by the operators and the persons.	
L. Warning devices and safety signs:	
(i) All the HEMM shall be equipped with an audible warning device (horn) controlled from the	C
operator's station	Complied
(ii) Warning system for Operator's fatigue shall be provided in all HEMM.	Supplied locally by L&T
(iii) Audio Visual Alarm (AVA) system for reversing shall be provided in all HEMM.	Supplied locally by L&T
(iv) Safety signs and hazard pictorials shall be displayed at conspicuous places	Complied
(v) Retro- Reflective Reflectors shall be provided on all sides of the HEMM at suitable positions.	Supplied locally by L&T
M. Protective measures and devices:	
(i) All dangerously exposed moving parts of the equipment shall be provided with suitable guards of	Complied
substantial construction to prevent injury to person(s).	- Compiled
(ii) Guards or shields shall be provided in the vicinity of exhaust and turbocharger to prevent fuel or	Complied
oil spraying on hot surfaces.	
N. Electrical and Electronic Systems:	
(i) Electrical components and conductors shall be installed in such a way as to avoid damage from	
exposure to environmental conditions (corresponding to the intended use of the machine) that can	Complied
cause deterioration. Electrical component insulation shall have flame-retardant properties.	
(ii) Degree of protection:	
Depending on the location/installation of electrical and electronic components, the following	
degrees of protection are required:	
(a) All components installed exterior to the machine or directly exposed to the environment shall have a	Complied
minimum degree of protection corresponding to according IEC 60529, IP 55;	
(b) All components installed in the operator's cab or protected against the environment, the protection shall be	and the second s
designed and executed to safeguard a correct function under expected and intended conditions.	
(iii) Electronic controls, connectors in control circuits, multi-pin connectors and control switches	Complied
external to the cab, shall have a minimum protection of IP 55.	
(iv) All HEMM powered by electrical power source shall be provided with tripping device in Operator's Cabin to	Not applicable
cut off Electric supply at Principal Switch Gear (PSG) end.	
O. Fire Protection:	
(i) All HEMM shall be equipped with suitable portable Fire Extinguisher(s) in addition to	
	Supplied locally by L&T
Automatically operated Fire Detection and Suppression device or System.	Supplied locally by L&T
(ii) Hydraulic hoses, Electric Wires, sleeves and conduits (where cable/wire is passed) of fire resistant	Supplied locally by L&T Complied
(ii) Hydraulic hoses, Electric Wires, sleeves and conduits (where cable/wire is passed) of fire resistant quality shall be provided in all HEMM	
(ii) Hydraulic hoses, Electric Wires, sleeves and conduits (where cable/wire is passed) of fire resistant quality shall be provided in all HEMM In addition to General requirement mentioned above, the following safety devices / features specific to machines	
(ii) Hydraulic hoses, Electric Wires, sleeves and conduits (where cable/wire is passed) of fire resistant quality shall be provided in all HEMM In addition to General requirement mentioned above, the following safety devices / features specific to machines shall be provided:	Complied Not applicable
(ii) Hydraulic hoses, Electric Wires, sleeves and conduits (where cable/wire is passed) of fire resistant quality shall be provided in all HEMM n addition to General requirement mentioned above, the following safety devices / features specific to machines	Complied







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Compliance of Komatsu Dozer D475A-5E0 DGMS (Tech) Circular no. 6 of 2020, Dhanbad dated 27-Feb-2020			
SI no.	Item	Applicability	Remarks
1	Rear View Camera	All Heavy Earth Moving Machinery	Provided locally by L&T.
2	Warning system for Operator fatigue.	All Heavy Earth Moving Machinery	Provided locally by L&T.
3	Auto Dipping System	Dumpers /Tippers / Light and Heavy Vehicles plying in the Mine	Not applicable
4	Mechanical Device to avoid Head to Tail Collision of Dumpers	Dumpers	Not applicable
5	Automatic Fire Detection and Suppression System (AFDSS) for HEMM	All Heavy Earth Moving Machinery	Provided locally by L&T
6	Dump body raised position indicator with warning	Dumpers / Tipper trucks	Not applicable
7	Exhaust Brake	Dumpers / Tipper trucks / Heavy Vehicles	Not applicable
8	Load Indicators	Dumpers / Tipper trucks	Not applicable
9	Dump Body Stabilizers for Tippers	Tippers	Not applicable
10	Seat belt and Seat Belt Reminder	Dumpers / Tipper trucks / Light and Heavy Vehicles	Not applicable
11	No Bump Circuit for Drills	Drills	Not applicable
12	Breakout Wrench for Drills	Drills	Not applicable
13	Propel joystick-spring loaded type to return to neutral (Dead-man safety) for Drills:	Drills	Not applicable
14	Proximity Warning Device	Dumpers / Tipper trucks	Not applicable



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Clause D.4.21

Working Principle of Progressive Lubrication system for Komatsu D475A-5E0 Dozer

The pump supplies lubricant under high pressure to the lubrication points through the Progressive Distributors when a 24 V DC supply is provided to the pump, through Timer.

The Pump comprises an electrically driven motor with a grease reservoir incorporating a stirring paddle, pump elements and safety valves. The stirring paddle forces the lubricant in the reservoir to the suction parts of the pump elements which in turn delivers the lubricant to the lub points through feed lines.

The ON Timer of Pump operates from the timer & deliver the lubricant for the pre-set RUN time and Pump starts delivering the Measured qty of Lubricant to the Distributor Blocks. Distributor Blocks functions in a Progressive Principle, delivers the Lubricant to all the feed points, during the Dynamic Load Conditions. Please refer our Schematic Drg for your ready reference with the System functioning.

The outlet of the pump is provided with a safety valve & Pressure Gauge. In case of any blockage in the Feed Point / Distributor, the safety valve starts relieving as soon as the set pressure at the safety valve is exceeded.







Lub Solutions Pvt. Ltd.,

No. 84/5, Ground Floor, V. Ramanna Compound, Srinivasanagar, Vishwaneedam Post, Pipeline Road, Sunkadakatte, Bangalore - 560 091. Karnataka, India. Tel: +91 80 23580469, Email: info@lubsolutions.com CIN U29253KA2012PTC065354

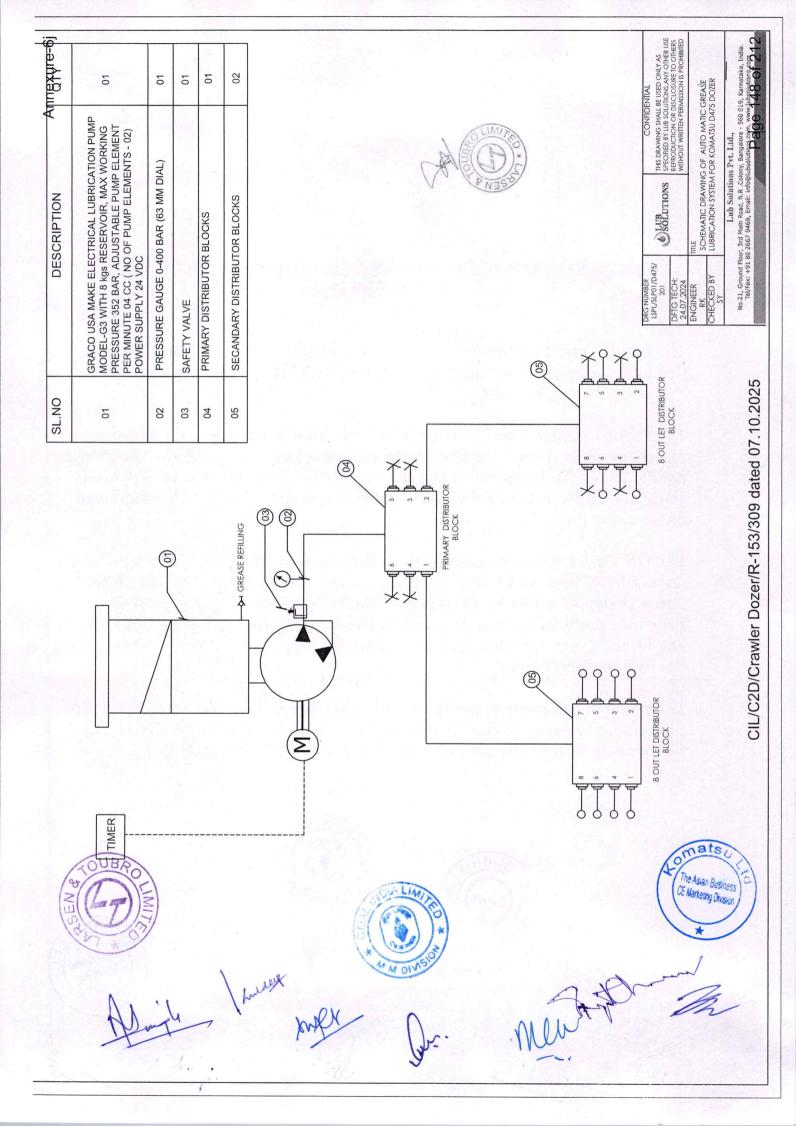
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Equipment Health Monitoring System

Komtrax Plus

Komtrax Plus is comprehensive proactive <u>Vehicle Health Monitoring System</u> developed by Komatsu for Komatsu range of mining machinery.

Introduction:

Telematics makes use of integration of communication systems and computer monitoring technology applied to equipment. Monitoring hardware system is deployed on board the machine, communication is established through a satellite or through internet. Information is processed and presented using a web application.

Mining machines and their components are generally more expensive than in other industries, hence the concept to monitor and record data from each major component for future engineering improvements has been adopted.

How it works:

Komtrax Plus – Vehicle Health Monitoring System monitors the condition of various components on a machine through a network of sensors as well as the integration of other on board computers.

System constantly monitors and calculates data such as:

- Trend: Data point at set interval per parameter.
- Fault: Event driven fault codes. Each fault has a timestamp, duration, and SMR reading.
- Snapshots: Critical event driven second by second analysis. Helps diagnose the root cause of a critical fault.

Data measurements can be downloaded from equipment using satellites (presently no service in India) or manually to transmit to servers using internet.

Benefits:

Komtrax Plus offers end users a new vision of monitoring asset by providing key component metrics. Users can identify service meter readings, fuel consumption, cautions, operational data, payloads and key component measurements.

Komtrax Plus monitoring system provides end user with an edge by allowing insight to critical operation metrics and information that can be used to increase availability, lower O&O costs, maximize fuel efficiency and productivity.



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Clause D.6. Health monitoring system (HMS):

	The equipment shall be provided with suitable licensed, on-line, real time, monitoring interface facility, Compatible for GPS / GPRS-based transfer of equipment performance data (commonly known as HMS) to third party equipment management system. The system shall have OBD Self-diagnostic & error alarm features and should capture the parameters of HMS module and other parameters not covered by HMS of the equipment to monitor the following items:	Agree
	i. Working hour, idle hour, based on the duration of a shift for which the equipment is switched on for operation	
	ii. Engine oil pressure & temperature	
	iii. Engine RPM	
	iv. Coolant level and temperature	Measuring points and self data conturing facility
	v. Fuel level and fuel consumption rate	Measuring points and self-data capturing facility shall be provided as per OEM design standard.
	vi. Hyd. oil temperature & pressure	Your appointed equipment management system
	vii. Engine electrical system - Battery voltage	service provider shall develop the system for
	viii. Tyre pressure (only for tyre mounted machines)	capturing the data & delivering the performance
	ix. Fault codes along with details	data to the end user.
	x. Transmission/Gear Box vital parameters	data to the cha aser.
8	xi. Air/Hydraulic system vital parameters	
	xii. All drive motors/ Transformer vital parameters (If	
	applicable)	
	xiii. Other Health monitoring parameters as	
7	applicable.	
	This system shall have suitable memory capacity to	
	store above measured data in batch form for at least	
	one month period and shall have suitable port to	Agree
	download these data to a laptop / data storage	
	system.	
	Alert audio messages to be given to Dozer Operators	
	and control room person for the following events:	
	a. In the case of operator exceeds pre-defined	To be developed by equipment management
	maximum speed.	system service provider
	b. In the event of any equipment travelling in opposite	To be developed by equipment management
	direction falls in line	system service provider
	c. Fire warning to operator and to control room in case of catching fire	To be developed by equipment management system service provider
	The supplier shall provide the following:	
	A. There has to be one integrated single online port	
	for capturing all the vital data.	
3	B. The equipment should have a suitable licensed, on	(0)
	line real time, monitoring interface facility compatible	Provided using J1939 protocol

B. The equipment should have a suitable licensed, or line, real time, monitoring interface facility compatible for GPS based transfer of equipment data to third party equipment management system.

C. The real time interface telemetry port will be

CThe real time interface telemetry port will be provided in the equipment

Provided using J1939 protocol

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D. All the data shall be available in the individual form through single port and its communication protocol must be as per global standards.	Agree
E. There shall be no additional requirement of any data converter for data capturing like Analog to Digital and vice-versa etc.	Agree
F. There shall be integrated on board data management system as explained at point no.3 as above.	Agree
G. The system should have an On Board Display Self- diagnostic & error alarm features	Agree
H. Permission to third party for interfacing, data collection through online port.	Provided on signing of Non-disclosure agreement
I. Signing of Non-disclosure agreement to protect intellectual property right on either side.	Agree
J. To provide full technical support to third party vendor for interpretation and defining parameters for individual alarm to monitor equipment vital data.	Connection manual will be provided upon of Non- disclosure agreement
K. The HEMM equipment supplier should provide access to data as required by end user without any financial implication to third party.	Shall be provided as per OEM design standard
This interface facility shall be made available till the working life of equipment. However, the supplier shall provide this interface facility during the contract period as a part of contract cost.	Agree
To ensure the satisfactory operation of above system, a tripartite agreement shall be signed by the user, supplier and the service provider / System Integrator.	Agree









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Komatsu Ltd.
Shiodome Building,
No.2-20 Kaigan,
1-Chome, Minato-ku,
Tokyo 105-8316, Japan
Tel: +81-3-6849-9874

Fax: +81-3-6849-9853

Expected Life of Major Components

Equipment	Major Assemblies	Expected Life * (in Hours)
	Main Frame	26000 - 34000
	Engine	18000 - 24000
	Transmission / Torque Convertor	18000 - 24000
D475A-5E0	Electrical system	16000 - 24000
	Final Drive (excluding sprocket) & steering system	18000 - 26000
	Under Carriage – Track chain, Roller & Idlers	3500 - 8000
	Under Carriage – Sprocket Teeth	1500 - 4000

Note:

- 1. Expected life means life before first overhaul.
- 2. Life of the major components mentioned above are indicative. Life of components depends on various factor like utilisation, maintenance, operator skill, working conditions, etc. Component life mentioned above should be considered with judgement of other variables, as applicable on a particular case, for any type of cost calculation.











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Clause D.9.1.b

Annexure-6m

D475A-5E0 : List of standard & special tools per equipment				
Sl no.	Part Number	Part Name	Q'ty	
1	X21-0972120	TOOL KIT consists the following	1	
2	09020-10284	SOCKET WRENCH SET	1	
2	09020-10264	(Consists of St. no. 3 to 13)	1	
3	09021-01016	SOCKET	1	
4	09021-01319	SOCKET	1	
5	09021-01422	SOCKET	1	
6	09021-01725	SOCKET	1	
7	09021-01928	SOCKET	1	
8	09021-02233	SOCKET	1	
9	09021-02436	SOCKET	1	
10	09021-02739	SOCKET	1	
11	09021-03044	SOCKET	1	
12	09021-03246	SOCKET	1	
13	09021-03653	SOCKET	1	
14	09022-00150	EXTENTSION	1	
15	09022-00250	EXTENTSION	1	
16	09023-00300	HANDLE	1	
17	09024-00300	HANDLE	1	
18	09025-00075	UNIVERSAL JOINT	1	
19	09026-00250	HANDLE	1	
20	09027-00300	BAR	1	
21	09039-00150	HAMMER	1	
22	07952-70014	PUMP A.	1	
23	07951-31400	NOZZLE	1	
24	09055-10390	BAR	1	
25	07950-90403	GREASE	1	
26	09019-28036	WRENCH	1	
27	09056-04613	TOOL BAG	1	
28	09002-01417	WRENCH	1	
29	09002-01922	WRENCH	1	

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Ref.: MEB/CIL/D475/1st Clarify/13

Date: 25th September, 2024

M/s. Coal India Limited, Coal Bhawan, Premises No. 4, Action Area IA, New Town, Rajarhat, Kolkata-700 156, India

Dear Sir,

Sub: Clarification under clause D.9.1, General (b), Technical Details, Section VI

Technical Specifications

Ref: 1. Your Tender Ref. No: CIL/C2D/850 HP Dozer/R-153/24-25/395 dated 12.06.2024

2. Your Letter Ref. No: CIL/C2D/850 HP Dozer/R-153/24-25/471 dated 18.09.2024

We hereby certify that the tools offered are sufficient and as per requirement for repair and maintenance of the offered equipment.

Thanking you and assuring you of our best services and attention at all times,

Thanking you, Yours Faithfully For Larsen & Toubro Limited

(Rajat Chakraborty)

Deputy General Manager

Mining Equipment Business - Kolkata

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CIN L99999MH1946PLC004768

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CE Marketing Divis

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

Customer : CIL	
D475A-5E0 COMMISSIONING SCHEDULE	
Activity	No. of Days
1. Unloading	
Installation of track	
Installation of stand	
Installation of chassis	
Unloading of other parts	
2. Installation of blade lift cylinder	
3. Installation of track frame	
4. Installation of ripper (Installation of counterweight)	
5. Installation of track	
6. Blade	
Assembly of blade	
Installation of blade	
7. Installation of operator's cab	30 Days
8. Installation of ROPS	30 Days
9. Installation of exhaust pipe	
10. Adjustment of blade tilt limit rod	
11. Adjustment of tilt limit angle	
12. Check of oil level and addition of oil	
13. Greasing	
14.Bleeding of hydraulic cylinders.	
15. Adjustment of track tension	
16. Final assembly inspection	
• Pm clinic	
Flushing of hydraulic circuit	
Initialization of VHMS	
Check of cab pressurization	







CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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Detailed technical description of Komatsu Crawler Dozer Model D475A-5E0

As per clause 9.2.i

Engine:

Komatsu Crawler Dozer Model D475A-5E0 is equipped with Komatsu SAA12V140E-3 engine which delivers 664 kW (890 HP) at 2000 rpm. These features, together with the heavy machine weight, make the D475A-5E0 a superior crawler dozer in both ripping and dozing production. The engine is designed to meet EPA Tier 2 emission regulation, and features direct fuel injection, turbocharger, and air-to-air aftercooler to maximize fuel efficiency. To minimize noise and vibration, the engine is mounted to the main frame with rubber cushions.

Type 4 Aspiration	Komatsu SAA12V140E-3 -cycle, water-cooled, direct injection Turbocharged, air-to-air aftercooled
	140 mm x 165 mm 5.51" x 6.50"
Piston displacement	
SAÉ J1995	Gross 671kW 899 HP Net 664kW 890 HP 2000rpm
	Hydraulic
Lubrication system	
	Gear pump, force lubrication Full-flow and bypass combined

Transmission:

Komatsu TORQFLOW transmission consists of a water-cooled, 3-element, 1-stage, 1-phase torque converter with lockup clutch and a planetary gear, multiple-disc clutch transmission which is hydraulically-actuated and force-lubricated for optimum heat dissipation. Gearshift lock lever and neutral safety switch prevent accidental starts.

Gear	Forv	vard	Rev	erse
1st	3.3 km/h	2.1 mph	4.2 km/h	2.6 mph
2nd	6.2 km/h	3.9 mph	8.0 km/h	5.0 mph
3rd	11.2 km/h	7.0 mph	14.0 km/h	8.7 mph



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Final Drive:

Double-reduction final drive of spur and planetary gear sets to increase tractive effort and reduce gear tooth stresses for long final drive life. Segmented sprocket teeth are bolt-on for easy replacement.

Steering System:

PCCS lever, joystick-controlled, wet multiple-disc steering clutches are spring-loaded and hydraulically released. Wet multiple-disc steering brakes are spring-actuated, hydraulically released, and require no adjustment. Steering clutches and brakes are interconnected for easy, responsive steering.

Minimum turning radius: 4.6 m

Undercarriage:

Suspension Oscillating equalizer bar and pivot shaft Track roller frame Cylindrical, high-tensile-strength steel construction Rollers and idlers Lubricated track rollers

K-Bogie Undercarriage

Lubricated track rollers are resiliently mounted to the track frame with a bogie suspension system whose oscillating motion is cushioned by rubber pads.

Extreme Service Track Shoes

Lubricated tracks. Unique seals prevent entry of foreign abrasives into pin to bushing clearances to provide extended service life. Track tension is easily adjusted with grease gun.

Hydraulic System:

Closed-center load sensing system (CLSS) designed for precise and responsive control, and for efficient simultaneous operation.

Hydraulic control units: All spool valves externally mounted beside the hydraulic tank. Plunger type hydraulic pump with capacity (discharge flow) of 542 ltr/min 143 U.S. gal/min at rated engine rpm.

Relief valve setting: 27.5 MPa

Operating Weight:

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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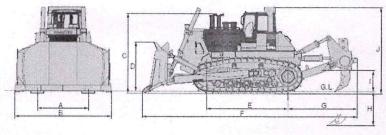
Service Refill Capacities:

Fuel tank
Coolant
Engine
Torque converter, transmission,
bevel gear, and steering system 210 ltr 55.5 U.S. gal
Final drive (each side)

Dimensions:

SEMI-U DOZER WITH GIANT RIPPER

A	2770 mm	9.1.
В	5265 mm	17'3'
C	4546 mm	14'11'
D	2690 mm	8.10.
Ε	4524 mm	14110
F	11565 mm	37'11"
G.	3720 mm	12.2
Н	1744 mm	5'9'
1	1196 mm	3'11"
J	4646 mm	15'3"



Ground Clearance: 655 mm 2'2"



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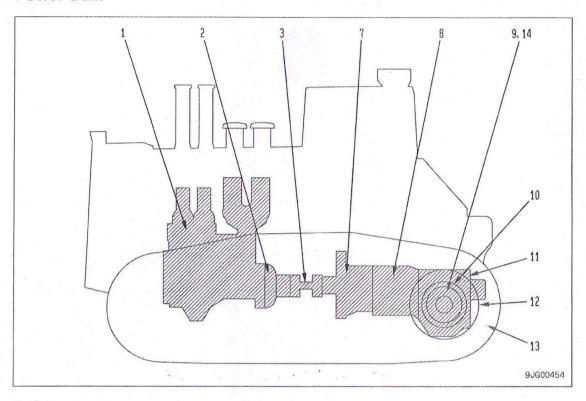
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Power train



Outline

 The power generated by engine (1) has its torsional vibration dampened by damper (2), and then passes through universal joint (3), and is transmitted to torque converter (7).

The power from the engine is transmitted through oil by torque converter (7) to the input shaft (turbine shaft) of transmission (8) in accordance with the change in the load.

There is a lockup clutch assembled to the torque converter, and when the rotating speed beyond the torque converter becomes higher, the lockup clutch is engaged. When this happens, the drive case and turbine form one unit, so the power from the engine is transmitted directly to the transmission input shaft.

Transmission (8) uses a combination of a planetary gear system and hydraulic equipment to reduce the speed and shift the gears (forward: 3 gears, reverse: 3 gears). It connects two sets of clutches selected with the gear shift lever according to the change in the load, and transmits the power from the transmission to transfer (14) from output shaft.

The power entering transfer (14) has its speed reduced. Its speed is further reduced by the bevel pinion and bevel gear of the bevel gear shaft, and it is then divided at right angles to the left and right and transmitted to the respec-

tive steering clutches (9). The power transmitted from the bevel gear shaft to the final drive is used to steer the machine by engaging or disengaging steering clutch (9).

The steering lever is operated to disengage the steering clutch on the side to which the machine is to be steered in order to change the direction of travel. The size of the turning radius is controlled by steering brake (10) installed to the outside of the steering clutch.

Steering brake (10) uses the same disc system that is used for the steering clutch.

The power output from the steering clutch enters final drive (11), where it is reduced, and rotates sprocket (12).

Final drive is a double reduction type consisting of a single stage spur gear and single stage planetary gear system.

It rotates the sprocket to drive track shoe (13) and moves the machine.

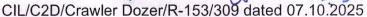


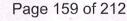








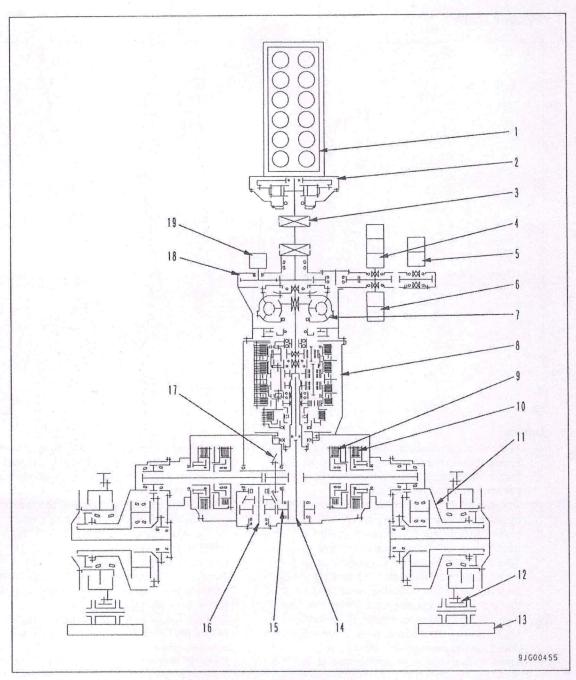




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Engine (SAA12V140E-3)

Damper

Universal joint

Power train, lubrication pump (BAL160+160+112)

Work equipment pump (HPV125+125)

- 6. Fan pump (LPV90+30)
- 7. Torque converter
- 8. Transmission
- 9. Steering clutch
- 10. Steering brake
- 11. Final drive
- 12. Sproket

- 13. Track shoe
- 14. Transfer
- 15. Transfer drive gear
- 16. Bevel pinion
- 17. Bevel gear
- 18. PTO
- 19. Scavenging pump



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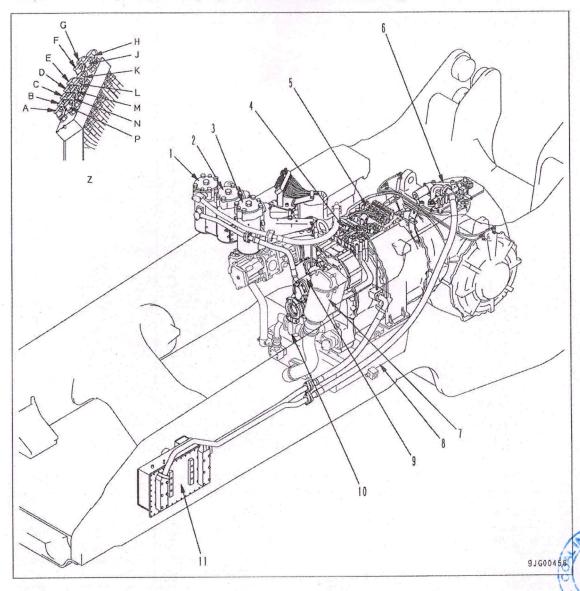
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Power train hydraulic equipment arrangement diagram





- Transmission lubricating oil filter
- Transmission oil filter
- Torque converter valve
- Transmission control valve
- Steering control valve

Power train oil strainer

Oil tank

Power train, lubrication pump

(BAL160+160+112)

Scavenging pump

Power train oil cooler

- Transmission main relief pressure pickup port (TM)
- Transmission R clutch pressure pickup port (REV) B.
- Transmission F clutch pressure pickup port (FWD)
- Torque converter inlet pressure pickup port (IN)
- Lockup clutch pressure pickup port (LU)
- Left clutch pressure pickup port (LC)
- Left brake pressure pickup port (LB)
- Right brake pressure pickup port (RB)
- Right clutch pressure pickup port (RC) Stator clutch pressure pickup port (SC)
- Torque converter outlet pressure pickup port (OVT)
- Transmission 1st clutch pressure pickup port (1ST)
- Transmission 2nd clutch pressure pickup port (2ND)
- Transmission 3rd clutch pressure pickup port (3RD)

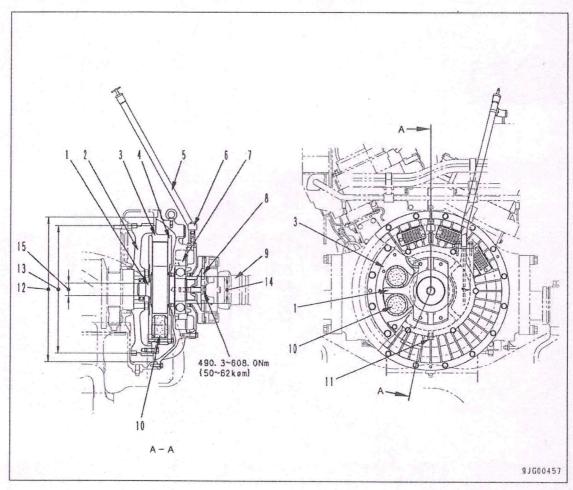
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Damper and universal joint



- 1. Output shaft
- 2. Flywheel
- 3. Outer body
- 4. Flange
- 5. Oil level gauge
- 6. Breather
- 7. Cover
- 8. Coupling
- 9. Universal joint
- 10. Rubber coupling
- 11. Drain plug



Outline

- The damper damps the tensional vibration caused by fluctuation of the engine torque and the impact torque caused by sudden acceleration and heavy digging work to protect the torque converter, transmission, and other power train components.
- Since this damper employs rubber coupling (10), vibrations are damped by the compressive damping effect of the rubber and less component parts are used.

Operation

The power from the engine is transmitted through flywheel (2) to outer body (3). The tensional vibration of the engine is absorbed in rubber coupling (10) and the power is transmitted to output shaft (1), and then transmitted through universal joint (9) to the torque converter and transmission.



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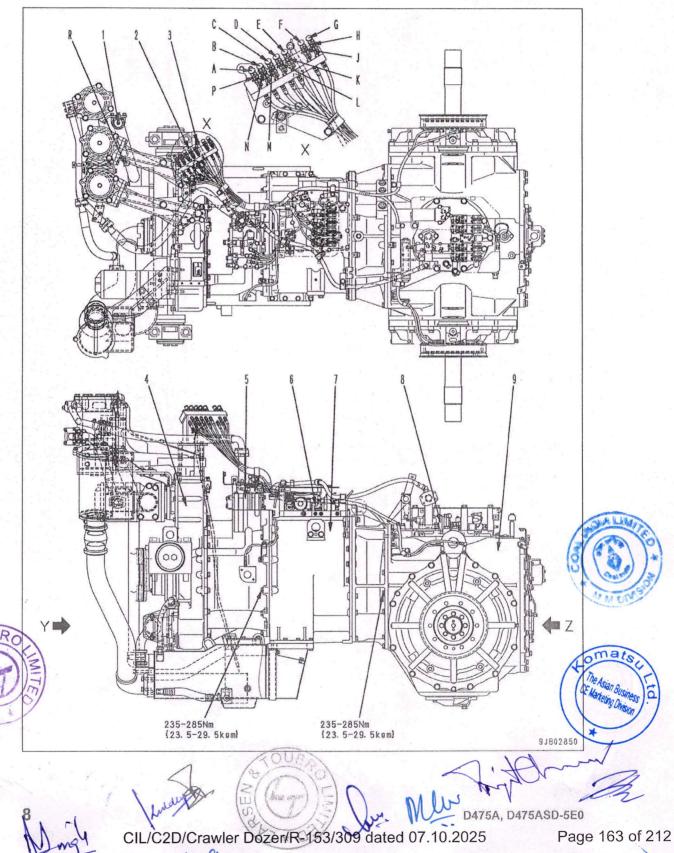


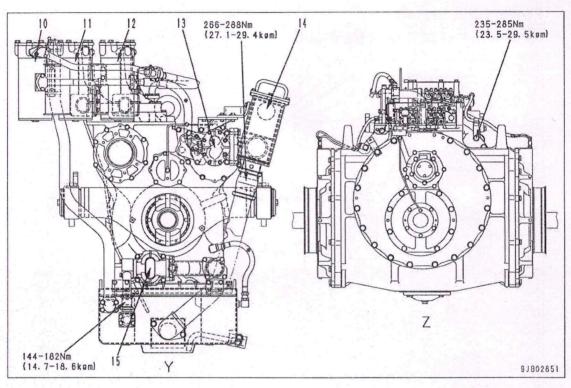
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Power train system General view of power train unit





- Main relief pressure pickup port (TM)
- R clutch pressure pickup port (REV)
- C: F clutch pressure pickup port (FWD)
- D: Torque converter inlet pressure pickup port (IN)
- Lockup clutch pressure pickup port (LU)
- Left steering clutch pressure pickup port (LC)
- Left steering brake pressure pickup port (LB)
- Right steering brake pressure pickup port (RB)
- Right steering clutch pressure pickup port (RC)
- Stator clutch pressure pickup port (SC)
- Torque converter outlet pressure pickup port (OUT)
- 1st clutch pressure pickup port (1ST)
- 2nd clutch pressure pickup port (2ND)
- 3rd clutch pressure pickup port (3RD)
- R: Transmission lubricating pressure pickup port
- Outline
- The power train unit broadly consists of torque converter and PTO (4), transmission (7), and steering unit (9). Therefore, after the power train unit is removed, it can be divided into torque converter and PTO (4), transmission (7), and steering unit (9).
- Steering unit (9) consists of the transfer, bevel gear shaft, steering clutch, and the steering

- Oil filler port
- Centralized pressure pickup port
- Oil level gauge 3.
- 4. Torque converter and PTO
- Torque converter valve
- Transmission control valve
- 7. Transmission
- 8. Steering control valve
- Steering unit
- 10. Torque converter oil filter
- 11. Transmission lubricating oil filter
- 12. Power train oil filter
- 13. Torque converter, power train, and lubricating oil pump
- Power train oil strainer
- 15. Scavenging pump



brake.

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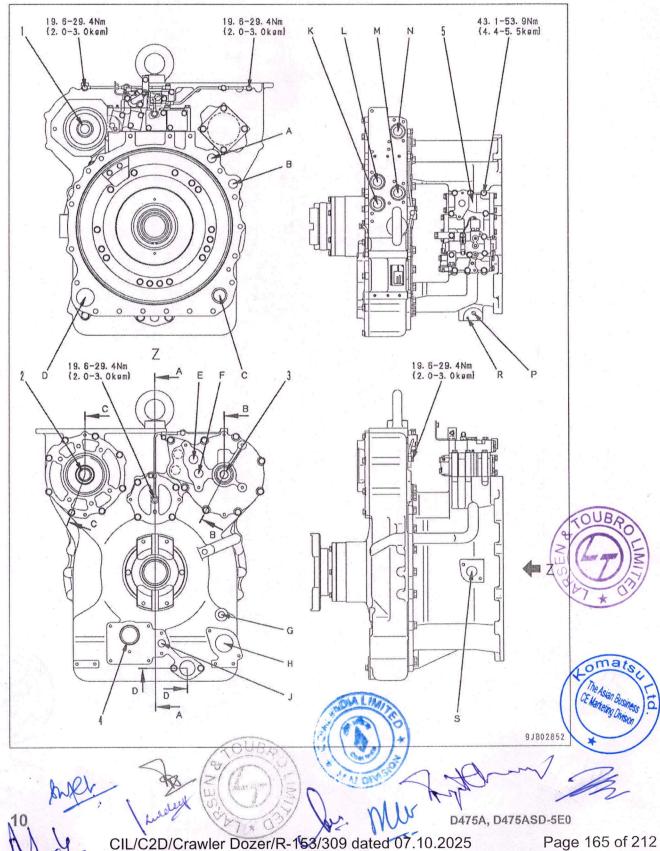


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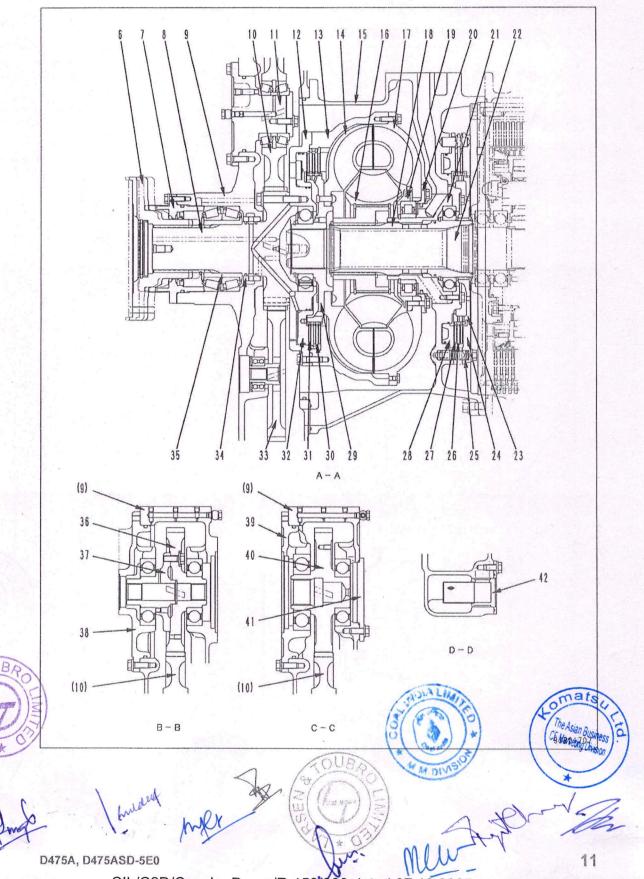
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Torque converter, PTO

PTO: Abbreviation for Power Take Off



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SEN00211-01

- A: To transmission control valve
- B: To transmission lubrication circuit
- C: To transmission oil pan
- D: From steering case
- E: From power train pump
- F: From lubricating oil pump
- G: To transmission oil pan
- H: To scavenging pump
- J: To scavenging pump
- K: To power train oil filter
- L: To transmission lubricating oil filter
- M: From power train oil filter
- N: From transmission lubricating oil filter
- P: Torque converter outlet oil temperature pickup
- R: Torque converter outlet oil pressure pickup port (OUT)
- S: To power train oil cooler

- 1. Cooling fan pump mounting port
- 2. Hydraulic pump mounting port
- Power train, torque converter, and lubricating oil pump mounting port
- 4. Scavenging pump mounting port
- 5. Torque converter valve
- 6. Coupling
- 7. Retainer
- 8. Input shaft (number of teeth: 59)
- 9. Front housing
- 10. PTO idler gear (number of teeth: 74)
- 11. PTO idler gear shaft
- 12. Lockup clutch housing
- 13. Drive case
- 14. Turbine
- 15. Rear housing
- 16. Stator
- 17. Pump
- 18. Stator shaft
- 19. Guide
- 20. Retainer
- 21. Pump shaft
- 22. Transmission input shaft
- 23. Stator clutch hub gear
- 24. Stator clutch housing
- 25. Return spring
- 26. Stator clutch plate
- 27. Stator clutch disc
- 28. Stator clutch piston
- 29. Turbine boss
- 30. Lockup clutch plate
- 31. Lockup clutch disc
- 32. Lockup clutch piston
- Scavenging pump drive gear (number of teeth:
 65)
- 34. Sleeve
- 35. Bearing race
- Power train, torque converter, lubricating oil pump, and cooling fan pump drive gear (number of teeth: 61)
- 37. Drive gear boss
- 38. Cover
- 39. Cover
- Hydraulic pump drive gear (number of teeth:
 61)
- 41. Cover
- 42. Strainer







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Outline

- The torque converter is a 3-element, 1-stage, and 1-phase type, which is integral with the transmission.
- The torque converter is equipped with a wet multiple disc clutch type torque converter lockup device and a wet double disc clutch type stator clutch in order to reduce fuel consumption, to increase the operability, and to reduce the horsepower consumption by the engine.
- For higher efficiency of continuous light dozing and leveling operation, the torque converter is locked up and the engine power is transferred directly to the transmissions input shaft.
- When the torque converter is locked up (the pump and turbine is integrated into 1 unit), the oil is still supplied to the torque converter.
 Accordingly, the oil flowing from the pump through the turbine to the stator is obstructed by the stator blades and cannot flow in any direction. As a result, this oil resists the rotation of the pump and turbine (it is agitated).
- To reduce the rotating resistance of the pump and turbine, the stator clutch is disengaged simultaneously with lockup of the torque converter so that the stator can rotate freely.
 As the stator is dragged and turned by the pump and turbine, the oil returns from the turbine to the pump smoothly against less resistance.

Conditions for the direct (lockup) range

Torque converter output shaft speed:

Min. 1,360 rpm

Set transmission pressure:

Min. 1.91 MPa {19.5 kg/cm²}

Both conditions must be satisfied.

Conditions for the torque converter (unlock) range

Torque converter output shaft speed:

Max. 1,330 rpm

Set transmission pressure:

Max. 1.47 MPa {15.0 kg/cm²}

Either condition must be satisfied.

Structure

- Pump (17) is integral with coupling (6), input shaft (8), lockup clutch housing (12), and drive case (13), and rotated by the engine power.
- Turbine (14) is integral with turbine boss (29) and transmission input shaft (22), and rotated by the oil from pump (17).
- Stator (16) is integral with stator shaft (18) and stator clutch hub gear (23), and fixed to rear housing (15) through the stator clutch unit.
- The lockup clutch unit consists of clutch plate (30) meshed with drive case (13), clutch disc (31) meshed with turbine boss (29), and clutch piston (32) which slides inside clutch housing (12) integral with drive case (13).
- The stator clutch unit consists of clutch hub gear (23) attached to stator shaft (18) with spline, clutch disc (27) meshed with clutch hub gear (23), clutch plate (26) supported by the pins on clutch housing (24) and rear housing (15), and clutch piston (28) which slides inside rear housing (15).
- The PTO unit consists of input shaft (8), PTO idler gear (10), and pump drive gears (33), (36) and (40).



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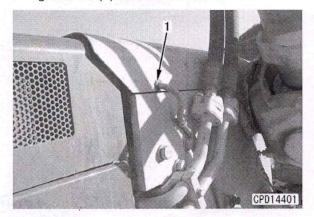
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Engine and cooling system (SAA12V140E-3)

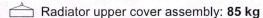
Removal and installation of engine assembly

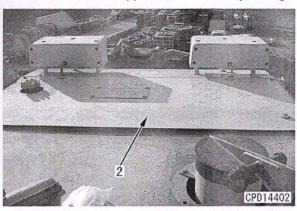
Removal

- ▲ Lower the work equipment to the ground and stop the engine.
- A Set the parking brake lever and work equipment lock lever in the lock position.
- ▲ Disconnect the cable from the negative (–) terminal of the battery.
- 1. Collect the air conditioner refrigerant (R134a) from air conditioner circuit in advance. [*1]
 - ★ Ask professional traders for collecting and filling operation of refrigerant.
 - Never release the refrigerant to the atmosphere.
 - A If refrigerant gets in your eyes, you may lose your sight. Accordingly, put on protective goggles, gloves and working suits with long sleeves while you are collecting the refrigerant or filling the air conditioner circuit with the refrigerant. Collecting and filling work must be conducted by a qualified person.
- 2. Drain the coolant.
 - Coolant: 210 &
- 3. Remove right and left potentiometer wiring grommets (1) from the cover.

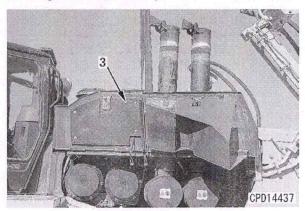


4. Lift off radiator upper cover (2).





 Remove engine hood assembly (3). For details, see "Removal and installation of engine hood assembly".



6. Remove right and left engine side covers (4) and right and left covers (5).



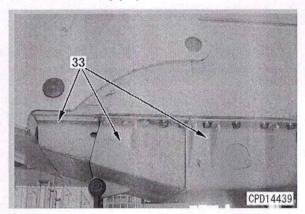
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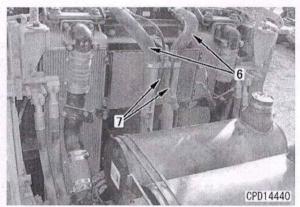
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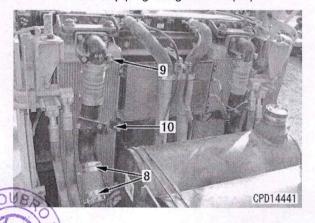
7. Remove undercovers (1st, 2nd and 3rd ones from the front) (33).



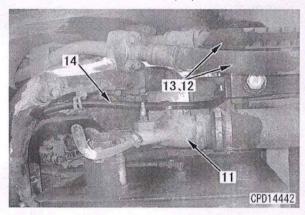
8. Disconnect radiator inlet hoses (6) and aeration hoses (7).



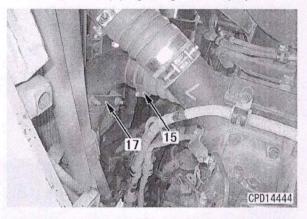
- 9. Lift off the right and left aftercooler inlet piping assemblies.
 - ★ Loosen hose clamps (8).
 - * Remove pipe mounting bolt (9).
 - ★ Remove piping fixing bracket (10).

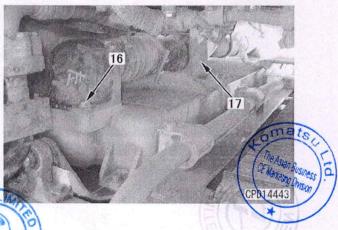


- 10. Disconnect radiator outlet tube (11).
- 11. Disconnect torque converter oil cooler tubes (12) and (13).
- 12. Disconnect heater hose (14).



- 13. Lift off the right and left aftercooler outlet piping assemblies.
 - ★ Loosen hose clamp (15).
 - ★ Remove pipe mounting bolt (16).
 - ★ Remove piping fixing bracket (17).



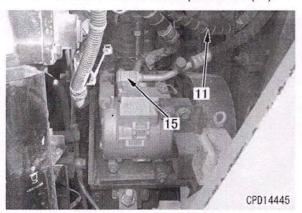


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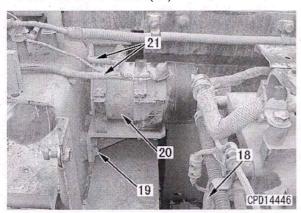
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- 14. Disconnect air conditioner hose (15) and remove the compressor assembly.
 - ★ Cover the hoses so that dirt, water, etc. will not enter them.
 - ★ Disconnect all the clamps of hose (11).



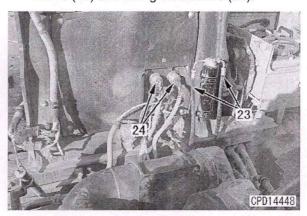
- 15. Remove engine lubricating oil pump hose (18), pump mounting bracket mounting bolts (19), and pump and bracket assembly (20).
 - ★ Remove cables (21).



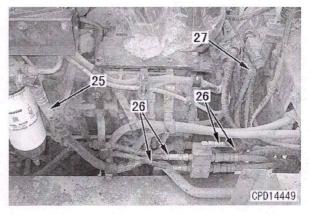
16. Remove cables (22) from the starting motor.



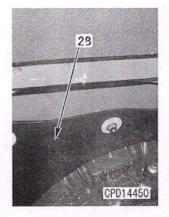
17. Disconnect engine rear-side air conditioner hoses (23) and wiring connectors (24).



18. Disconnect fuel filter hose (25), 4 hoses (26) and heater hose (27) between the valve and engine.



19. Remove damper rubber shield (28).







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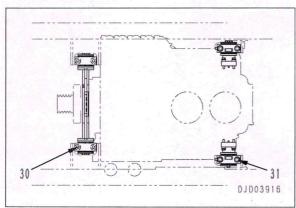
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20. Sling universal joint (29), remove the mounting bolts, and lift off the universal joint.

Universal joint: 65 kg



21. Remove front mounting bolt (30) and rear mounting bolt (31).



- 22. Remove engine assembly (32).
 - Engine assembly: 3,900 kg
 - ★ When removing the engine assembly, check that all the wirings and pipings are disconnected and the engine assembly does not interfere with other parts.



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Installation

- Carry out installation in the reverse order to removal.
- Refilling with coolant

Add coolant to the specified level, and run the engine to circulate the coolant through the system. Then check the coolant level again.

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Coolant: 210 &





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Removal and installation of power train unit assembly

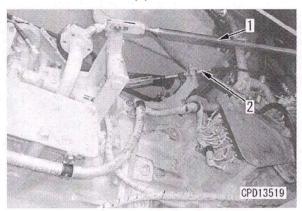
Removal

Drain oil from hydraulic tank and power train case.

≟ Hydraulic tank: Approx. 120 ℓ

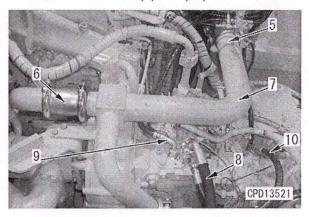
Power train case: Approx. 150 &

- Remove floor frame assembly.
 For details, see "Removal and installation of floor frame assembly".
- Remove fuel tank assembly.
 For details, see "Removal and installation of fuel tank assembly".
- 4. Remove brake rod (1).
- 5. Disconnect cable (2).

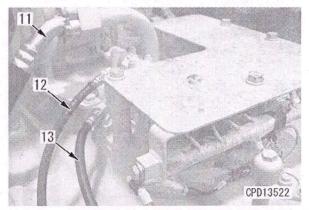


- 6. Disconnect lubrication hose (3).
- 7. Disconnect fan motor pump tube coupling (4).
- 3 CPD13520

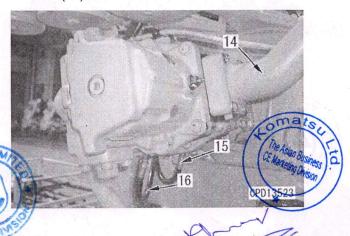
- 8. Remove hydraulic pump inlet tube coupling (5) and hydraulic tank side coupling (6), and remove tube (7).
- 9. Disconnect fan motor hose (8).
- 10. Disconnect hoses (9) and (10).



- 11. Disconnect steering hose (11).
- 12. Disconnect hoses (12) and (13).



- 13. Remove hydraulic pump inlet tube (14).
- 14. Disconnect hydraulic pump PPC hoses (15) and (16).

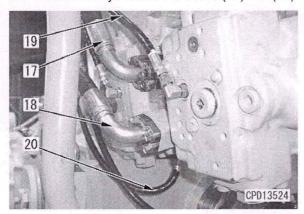


D475A, D475ASD-5E0

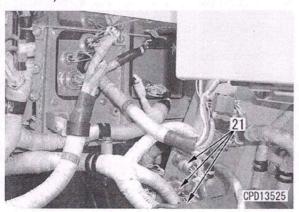
CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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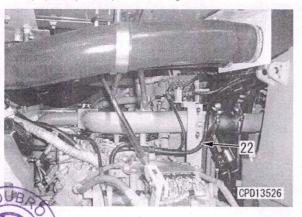
- 15. Disconnect hydraulic pump outlet hoses (17) and (18).
- 16. Disconnect hydraulic PPC hoses (19) and (20).



17. Disconnect wiring connector (21) (PL1, PL2, PL3).



18. Disconnect hose (22), then disconnect clamp (1 place) on top of steering case.



- 19. Remove universal joint (23).
 - Universal joint: 65 kg

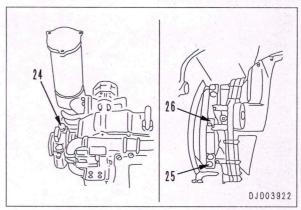


20. Remove front mount bolt (24).

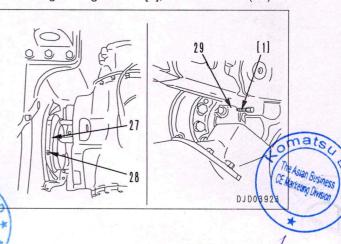
[*2]

[*1]

- 21. Remove rear mount bolt (25), then remove mount cap (26). [*3]
 - Mount cap: 30 kg



- 22. Remove housing clip (27), and move flange (28) towards final drive end. [*4]
- 23. Using forcing screws [1], remove cover (29).

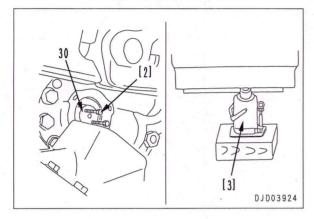


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CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

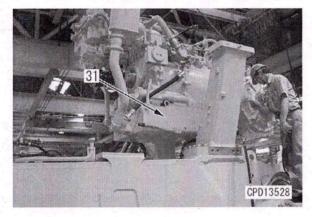
D475A, D475ASD-5E0

- 24. Remove shaft (30).
 - Pull out the shaft with forcing screws [2].
 - If the shaft will not come out, set jack [3] on the ground and push the shoe grouser up, then move the sprocket to the front or rear to a position where the shaft will come out, and remove the shaft.



25. Lift off power train unit assembly (31).

Power train unit assembly: 5,500 kg



Installation

Carry out installation in the reverse order to removal.

[*1] Universal joint mounting bolt: 156.8 - 196 Nm {16 - 20 kgm}

[*2] ☐ Front mount bolt: 1,519 - 1,911 Nm {155 - 195 kgm}

[*3] □ Rear mount bolt: 823.2 - 1,029 Nm {84 - 105 kgm}

[*4] Check that the housing clip is fitted securely in the flange. Em Housing clip: 4.9 - 8.8 Nm {0.5 - 0.9 kgm}

[*5] When installing the power train unit assembly, pay attention to the mating surface of the coupling, and be careful not to damage the seal of the rear mount coupling.

Refilling with oil

[*5]

Add oil through the oil filler to the specified level, and run the engine to circulate the oil through the system. Then check the oil level again.

Power train case: Approx. 210 &

Hydraulic tank: Approx. 140 ℓ

D475A, D475ASD-5E0

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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9

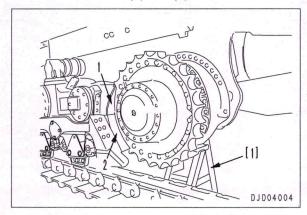
Removal and installation of final drive assembly

Special tools

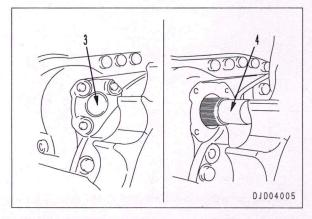
oder. O	Sympol	Part No.	Part Name	Necessity	Q'ty	New/remodel	Sketch
		790-337-1032	Lifting tool		1		
J	1	791-827-1910	Plate		1		
		01011-83015	Bolt		3		

Removal

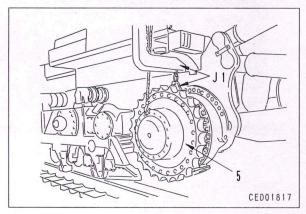
- Remove track shoe assembly.
 For details, see "Expansion and installation of track shoe assembly".
- Raise chassis with jack or ripper and set stand
 under frame.
- 3. Remove covers (1) and (2).



- 4. Remove cover (3), then using forcing screw, pull out drive shaft (4). [*1]
 - ★ If the shaft will not come out, set a jack on the ground and push the shoe grouser up, then move the sprocket to the front or rear to a position where the shaft will come out, and remove the shaft.
 - ★ Pull the shaft out to a position where it contacts the sprocket.



- 5. Remove 3 bolts of final drive and install tool J1.
- 6. Sling final drive assembly (5), then remove mounting bolts, and lift off. [*2]
 - Final drive assembly: 3,600 kg













My And As

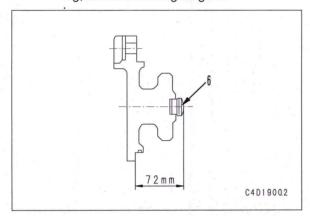
Page 176 of 212

Installation

 Carry out installation in the reverse order to removal.

[*1]

- Installed position of gear hole cover button
 (6): 72 ± 0.8 mm
- ★ If the installed position is higher than the specified position, the button may be driven defectively. In this case, pull out the button, check for foreign matter and scuffing, and then driving it again.



[*2]

Final drive assembly mounting bolt:

Thread tightener (LT-2)

Final drive assembly mounting bolt: 1,960 – 2,450 Nm (200 – 250 kgm)





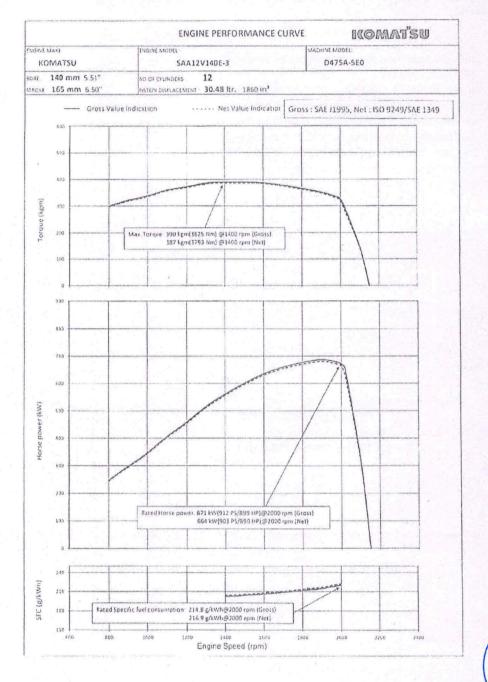




many for

D475A, D475ASD-5E0

Clause D.9.2.iii



CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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The Asian Business OE Marketing Divis

KOMATSU

Komatsu Ltd.
Shiodome Building,
No.2-20 Kaigan,
1-Chome, Minato-ku,
Tokyo 105-8316, Japan
Tel: +81-3-6849-9874
Fax: +81-3-6849-9853

Ref: CIL/D475/24-25/Tech/02

Date: July 9, 2024

M/s. Coal India Limited, Coal Bhawan, Premises No. 4, Action Area IA, New Town, Rajarhat, Kolkata-700 156, India

Dear Sir.

Sub: Maximum travel speed determined according to ISO 6014 as per clause D.9.2.iv)

Ref: Your Tender Ref. No: CIL/C2D/850HP Dozers/R-153/24-25/395 Dated 12.06.2024

We wish to confirm that the Maximum travel speed determined according to ISO 6014 for the offered Komatsu Crawler Dozer Model D475A-5E0 is as mentioned below,

1. Maximum Forward speed: 11.2 kmph

2. Maximum Reverse speed: 14.0 kmph

Thanking you and always assuring you of our best services.

The Asian Business CE Maketing Division

Yours Sincerely, For Komatsu Ltd.,

Authorized Signatory

Name: Kazuma Nakanishi

Date: 9th July 2024

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The Asian Susiness

CE Maneting Division

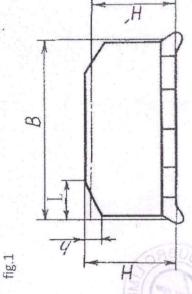
CIL/C2D/Crawler Dozer/R-153/309 dated 07.40.2025

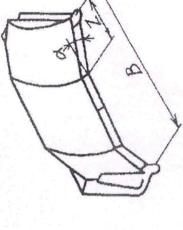
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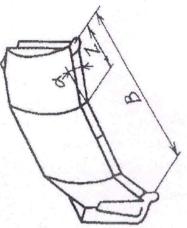
MOMATSU

Volumetric capacity of D475A-5E0 Semi-U Blade (ISO9246)

fig.2









	Items	Ė	Value	Remarks
1	Blade length	Ε	5.27	
ш	Blade effective height	E	2.40	
a	Projection square measure	m2	12.61	
m	Blade height	E	2.69	
0	Cf. figure1	Ε	1.38	
1		Ε	0.59	
U	Cf. figure2	E	0.58	
>	Wing Angle	deg	25.00	
ш	Blade Capacity	m3	27.20	

Blade Volume Calculation Formula:

 $Q = (0.8 \times B \times H'^2 + Z \times H'(B-Z) \ tan \ (A/\ 180 * PI())$ H'= (Am/B)

 $Am = B \times H - L \times h$



Authorized Signatory

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

Page 180 of 212

KOMATSU

Komatsu Ltd.
Shiodome Building,
No.2-20 Kaigan,
1-Chome, Minato-ku,
Tokyo 105-8316, Japan
Tel: +81-3-6849-9874

Fax: +81-3-6849-9853

Ref: CIL/D475/24-25/Tech/03

Date: July 9, 2024

M/s. Coal India Limited, Coal Bhawan, Premises No. 4, Action Area IA, New Town, Rajarhat, Kolkata-700 156, India

Dear Sir,

Sub: Declaration on Dozing production as per clause D.9.2.vi)

Ref: Your Tender Ref. No: CIL/C2D/850HP Dozers/R-153/24-25/395 Dated 12.06.2024

We confirm that the production of our offered Komatsu Crawler Dozer Model D475A-5E0 with 27.2 CuM Semi U blade is as per the dozing production curves and figures mentioned below,

- 1. Dozing production at 60 m distance: 900 LCM per hour
- 2. Dozing production at 30 m distance: 1850 LCM per hour

The productivity mentioned above are based on the following conditions,

- 1. Well blasted sandstone/rock having density after blasting (loose) of 1800 Kg/cum
- 2. Dozing should be done on level ground (i.e. not uphill dozing)
- 3. The above quoted figures are based on 100% efficiency.
- 4. If tests need to be conducted at site, tests should be at mines dump yard (i.e Dozer should be used on already excavated/dumped material)
- 5. Production test if conducted will be subjected to 2.5% detrimental deviation, as per sec.VI. equipment acceptance clause of NIT

Thanking you and always assuring you of our best services.

The Asian Business CE Makeling Division

Yours Sincerely,
For Komatsu Ltd.,

Authorized Signatory

Name: Kazuma Nakanishi

Date: 9th July 2024

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Dr.

CD IN CONTRACTOR OF THE CONTRA

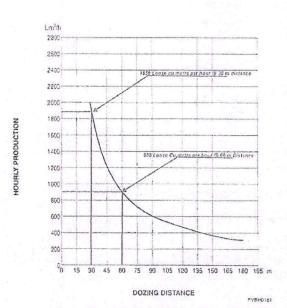
The Asian Business
CE Marketing Division

The Asian Business

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As per Clause-D.9.2.vi

DOZING PRODUCTION CURVE FOR D475A-5EO



The estimated production curves gives maximum production before correction and are based on the following conditions

- 100 % Job efficiency
- 2. 0.05 min time fixed for gear shifting
 3. Machine cuts for 15 m (50 feet), then drifts blade load,
- Gear
- Blade Factor : Easy 1.1-0.9
- 6. Grade Factor: 1.0

Machines with F3/R3,

Cut Carry

Actual Production = (Estimated Production) X (Blade factor) X (Job Efficiency) X Grade Factor

Lm3 / h = Loose cubic metre per hour.





- Lander CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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STANDARD EQUIPMENT

- Air conditioner with heater and defroster Back-up alarm Batteries, 200 Ah/4 x 12 V Air-suspension seat Alternator, 100 A/24 V Auto-priming system Decelerator pedal Blower fan
- Dry-type air cleaner with dust evacuator and dust indicator Eight-roller track frames
 - Final drive case wear guard

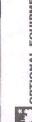
Segmented sprockets

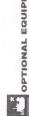
Seat belt



Dimension:

ROPS*: Neight. Meets ISO 3471, SAE J1040 APR88, ROPS standards.

















Additional cab heater

Coal dozer Counterweight Battery isolator Double wiper

Dual tilt dozer Fast fuel fill Fire extinguisher

www.Komatsu.com

CEN00075-02

Shoes, 710 mm 28" extreme service

Hinged underguard with front pull hook

· Lighting system (including four front Hydraulic track adjusters

Lockup torque converter

and two rear lights)

Muffler with rain cap
 Perforated front mask

Mirror, rearview

· Mirror

Radiator reserve tank

ROPS brackets

KOMATSU

 Starting motors, 2 x 7.5 kW/24 V Steering controlSun visor Steel cab

108390 kg 238,960 lb

OPERATING WEIGHT

Gross: 671 kW 899 HP @ 2000 rpm Net: 664 kW 890 HP @ 2000 rpm

Annexmenting

TOROFLOW transmission Track roller guards
 VHMS (without orbcomm)

Warning horn

Wet steering clutches

.. 455 kg 1,000 lb Length......1790 mm 5'10" . 1455 mm 4'9" 1530 mm 5'0" Height from compartment floor to ceiling Weight Steel cab**; Dimension:

> . 940 kg 2,070 lb .. 1940 mm 6'4"

"Meets ISO 3449 FOPS standard.

Multi-shank ripper:

Hydraulically controlled parallelogram ripper with three shanks. Ripping angle variable and depth adjustable in two stages.

angle is variable. Ripping depth is adjustable

Variable giant ripper: Variable, paralletogram single-shank ripper ideal for ripping up tough material. Ripping in four stages by a hydraulically controlled pin puller.

...... 9720 kg 21,430 lb Weight (including hydraulic control unit)

Weight (including hydraulic

.... 1744 mm 5'9"

Maximum digging depth

—810 mm 32" —910 mm 36"

Hydraulics for ripper Lattice front mask Light for ripper

Spill guards

Strengthened Semi-U blade
 Strengthened U blade
 Track shoe slip control system

Radio-AM/FM cassette

PrelubricationPush plate fety glass

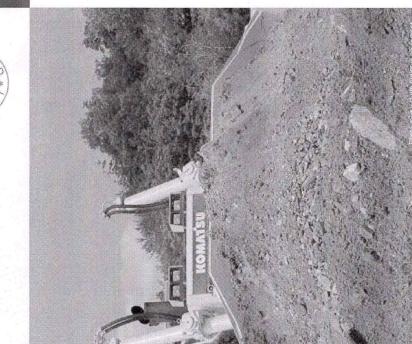
Orbcomm

Printed in Japan 200801 IP.AD (10)



Materials and specifications are subject to change without notice.

CRAWLER DOZER



Annexure-6u

Gross: 671 kW 899 HP @ 2000 rpm Net: 664 kW 890 HP @ 2000 rpm

HORSEPOWER

OPERATING WEIGHT 108390 kg 238,960 lb BLADE CAPACITY

Semi-U: **27.2 m**³ 35.6 yd³ Full-U: **34.4 m**³ 45.0 yd³

WALK-AROUND

SAA12V140E-3 turbocharged

an output of **664 kW** 890 HP with excellent E after-cooled diesel engine provide productivity, while meeting EPA? emission regulation.

See page 6.



provides excellent machine balance and low center of gravity.

Reventative maintenance

- Centralized service station Enclosed hydraulic piping
- Modular power train design Oii pressure checking ports
 - See page 9.

Simple hull frame

and monocoque track frame with pivot shaft for greater reliability.

27.2 m³ 35.6 yd³ (Semi-U dozer) and 34.4 m³ 45.0 yd³ Large blade capacities:

(U dozer) See page 7.

The dual till dozer (option) increases productivity while effort. See page 7. reducing operator

itornatic loc ves fuel ar ong pushes ower trans

Unique and unrivaled noise-suppression.

for the best value, reliability, and versatility Hydraulics, power train, frame, and all Komatsu-integrated design

Comfortable ride with new cab damper mounting and K-Bogie

New hexagonal designed cab includes:

PCCS (Palm Command Control System) lever controls

High capacity air conditioning system

Excellent visibility

undercarriage

components are designed to work together other major components are engineered by Komatsu. You get a machine whose for higher production, greater reliability, and more versatility.

Hydraulic drive radiator cooling fan controlled automatically, reduces fuel consumption and operating noise levels. See page 6.

ECMV (Electronic Controlled Modulation Valve)

Travel control console integrated with operator seat

Adjustable armrest

Pressurized cab

controlled steering clutch/brake system

facilitates steering operation.

See page 5.

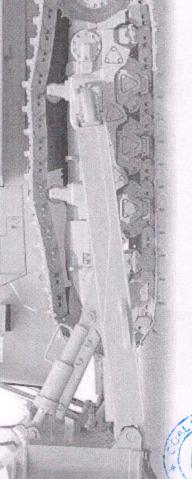
Low noise

- (Engine at Hi, cooling fan at 70%, and air conditioner OFF.) Operator noise: 70dB(A)
 - Dynamic noise (outside): 110dB(A) As per ISO 6395 See page 8.

VHMS (Vehicle Health Monitoring System)

See page 9.

MOMATSU



Low-drive, long-track, eight roller undercarriage ensures outstanding grading ability and stability.

improved pin reuse. See page 9. making turning pins easier, with reduces maintenance cost by New track link design

Track shoe slip control system (option) reduces operator fatigue. See page 7. CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

improves traction, component durability, K-Bogie undercarriage system and operator comfort. See page 6.

Rippers (option):

Variable giant

 Multi-shank See page 7.

CCS (PALM COMMAND CONTROL SYSTEM)

Komatsu's new ergonomically designed control system "PCCS" creates an operating environment with "complete operator control."

Human-Machine Interface

travel control joystick electronic controlled Palm command

Ergonomically designed palm provides the operator with a relaxed posture and superb fine control without operator fatigue. Transmission gear shifting is simplified with command travel joystick thumb push buttons.

suspension seat and Fully adjustable

travel control console

For improved rear visibility

travel control console has adjustments fore and aft, and for preference, providing optimum operational posture for all neight. With an independently adjustable armrest, each 15° to the right. The transmission and steering controls seat is also tiltable for facilitating down hill dozing. The

Facing front

Service



Leff-hand joystick



Blade and ripper control joystick



nove with the seat for best operator comfort. The operator D475A operator can adjust control positions to his individual during return part of cycle, the operator can adjust the seat



Fuel control dial

Engine revolution is controlled by electric signals, providing ease of operation eliminating maintenance of linkage and

Palm command PPC controlled blade control joystick

Control) valve and the same palm command type joystick as Blade control joystick uses the PPC (Proportional Pressure travel control joystick. PPC control, combined with the highly reliable Komatsu hydraulic system, enables superb fine depressing switch with a thumb. This is available when control. (Dual tilt and pitch operation are enabled by installing optional dual tilt dozer.)

Height adjustable blade control armrest

Blade control armrest is height adjustable without any tools in three stages, providing the operator with firm arm support and ideal armrest positioning.

Position adjustable ripper control lever

Ripper control lever is position adjustable, providing optimum operation posture for all operators during ripping operations facing front or watching ripper point.

Power Train Electronic Control System

Smooth and soft operation

calculate the control of the torque converter, transmission, steering clutches and brakes for optimized machine operation. The control (movements of lever and operation of switches) along with machine condition signals from each sensor to acculately D475A-5E0 utilizes a newly designed power train electronic control system. The controller registers the amount of operator ease of operation and productivity of the new D475A-5E0 is greatly improved through hese new features.

Controller automatically adjusts each clutch engagement depending on travel ECMV (Electronic Controlled Modulation Valve) controlled transmission conditions such as gear speed, revolution and shifting pattern. This provides shockless smooth clutch engagement, improved component reliability, improved component life and operator ride comfort.



ECMV (Electronic Controlled Modulation Valve) controlled steering clutches/brakes

Sensors monitor machine operating conditions, and electronically control steering clutches and brakes depending on type of iob, such as size of load during dozing, incline angle of slope or load, providing smooth and ease of operation by reducing counter-steering on downhill travel, etc.

Effect of ECMV steering clutches/brake control



end brakes depending on incline When dozing downhill, ECMV tine or degree of load, rea



Preset travel speed function

This function reduces manual gear shifting frequency during machine operation, enabling the operator to focus on directional three preset patterns; F1-R2 and F2-R2 by using the UP/DOWN switch. When the F1-R2 or F2-R2 preset pattern is Preset travel speed selection function is standard equipment, enabling the operator to select fore and aft travel speed from and hydraulic control. Preset travel speed selection is especially helpful when used in combination with the Auto-Downshift selected and the travel control is moved into forward or reverse, the machine travels in the preset gear range automatically. Function and reduces cycle times during repeated round trip operations.



F1-R2 MODE F2-R2 MODE





Light load



Controller monitors engine speed, travel gear and travel

Auto downshift function



provides comfortable operation and high productivity without reduced, the controller automatically downshifts to optimum speed. When load is applied and machine travel speed is

gear speed to provide high fuel efficiency. This function

manual downshifting. (This function can be cancelled with

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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FEATURES PRODUCTIVI

The Komatsu SAA12V140E-3 engine delivers 664 kW 890 HP dozer in both ripping and dozing production. The engine is machine weight, make the D475A-5E0 a superior crawler designed to surpass EPA Tier 2 emission regulation, and at 2000 rpm. These features, together with the heavy OUBA

To minimize noise and vibration, the engine is mounted and air-to-air aftercooler to maximize fuel efficiency. features direct fuel injection, turbocharger, to the main frame with rubber cushions.

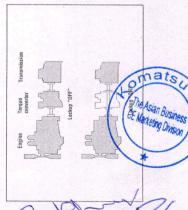
Hydraulic drive radiator cooling fan

persymption and providing great productivity with a quiet Fan rotation is automatically controlled depending on coolant and hydraulic oil temperature, saving fuel parating environment.

Automatic torque converter lockup system

transmits all the engine power directly to the transmission, increasing ground speed thus achieving efficiencies equal mode allows the system to automatically engage the torque converter lockup clutch. Locking up the torque converter to a direct drive. The result is efficient use of engine power, For greater efficiency during long pushes, the lockup less fuel consumption, and faster cycle times.





K-Bogie undercarriage system

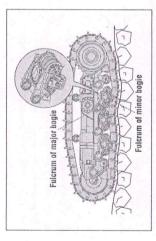
New K-Bogie Undercarriage System combines prior advantages with new additional features.

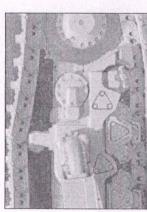
Current features:

- undercarriage components is minimized and durability of components is improved since track rollers are always in K-Bogies that oscillate with two fulcrums assure large amount of track roller vertical travel. Impact load to contact with track link.
- Track rollers follow track link movement to extend the undercarriage life.
- Excellent riding comfort is provided due to less vibration and shock when traveling over rough terrain.

Features on new K-Bogie undercarriage system:

- New K-Bogies with front and rear single bogies are utilized providing increased length of track on ground to improve machine stability.
- improve riding comfort when travelling over rough terrain. The oscillating idler and increased sprocket lead angle





Track shoe slip control system (option)

- Eliminates the need for the operator to constantly control engine power output with the decelerator while ripping. Operator fatigue is substantially reduced.
- Maneuverability is improved because the operator is free to focus on the ripping application without having to monitor the track shoe slippage
- Repair costs are significantly lowered and undercarriage life is prolonged with the reduction in track shoe slippage. Track shoe slip
 - The track shoe slip control system will contribute to lower fuel costs, because the engine output is automatically controlled to optimum levels for operation.

control panel

Large blade

outstanding production. High-tensile-strength sleel has been incorporated into the front and Capacities of 27.2 m³ 35.6 yd³ (Semi-U dozer) and 34.4 m³ 45.0 yd³ (U dozer) yield sides of the blade for increased durability.

Dual tilt dozer (option)

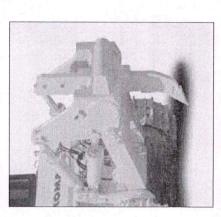
The dual tilt dozer increases productivity while reducing operator effort.

- Optimum blade cutting angle for all types of materials and grades can be selected on-the-go for increased load and production.
- Digging, hauling, and dumping are easy and smooth with less operator fatigue.
- Dozer tilt angle and tilt speed are twice that of a conventional single tilt system.

Rippers (option)

- The variable giant ripper features a long sprocket center-to-ripper point distance, making ripping operation easy and effective while maintaining high penetration force.
- The variable giant ripper is a parallelogram single shank ripper ideal for ripping up tough material. The ripping angle is variable, and the depth is adjustable in four stages by a hydraulically controlled pin puller.
- The multi-shank ripper is a hydraulically controlled parallelogram ripper with three shanks. The ripping angle is variable and depth is adjustable in two stages.





DI)

ORKING ENVIRONMENT

Operator Comfort

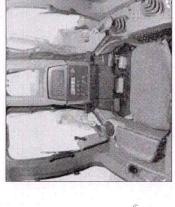
provides the operator with a quiet, comfortable environment where the operator can concentrate on the work at hand. Operator comfort is essential for safe and productive work. The D475A-5E0

Hexagonal pressurized cab

- The cab's new hexagonal design and large tinted glass windows provide
- excellent front, side, and rear wawning.

 Improved cab sealing, air filters and increased internal air pressure combine to
 - The floor mat and door sill are the same height to facilitate easy cleaning. The high quality cab interior is fully lined with sound absorbing material.
- Comfortable ride with new cab damper mounting and K-Bogie undercarriage

vibrations while traveling over adverse condition that are provides excellent shock and vibration absorption capacity with its long stroke. The cab damper mounting, combined from machine body, suppressing vibrations and providing ds. The soft spring cab damper isolates the cab mounting which further improves viscous damper and possible to absorb with conventional cab mounting with new K-bogie undercarriage, softens shocks and D475A-5E0's cab mount uses a new cab damper a quiet, comfortable operating environment. Operator noise: 70dB(A) (Engine at high idle, fan speed at 70% Dynamic noise (outside): 110dB(A) (As per ISO 6395)



improvement of visibility in rear of blade

seat are changed so that the operator can check the ground in the rear of the blade during dozing. Accordingly, the operator can work more accurately. In addition, the position of the exhaust pipe is changed for better front visibility. The shape of the blade heel and the position of the operator's

New suspension seat

ucing play of joints, is also tiltable to sliding rails and suspension spring increasing strength and ri In addition to turning function for ripper open D475A-5E0 uses a new air suspens / facilitate down hill dozing.

Relocated air intake ports of air conditions

Cab damper mounting

Rubber Boot

from the undercarriage from entering the cab. The inside air recirculation inlet is located behind the operator's seat, away from the dirt and dust of the floor mat, The air conditioner fresh air inlet is located above the fender to prevent dust





Silicon Oil

CRAWLER DOZER

EASY MAINTENANCE

Preventative Maintenance

Preventative maintenance is the only way to ensure long service life from your equipment. That's why Komatsu designed the D475A-5E0 with conveniently located maintenance points to make necessary inspections and maintenance quick and easy.

Centralized service station

and torque converter oil filters are both arranged next to To ensure convenient maintenance, the transmission the power train oil level gauge.

Monitor with self-diagnostic function

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HOMATSU

reduced repair costs and to maintaining maximum availability and its operation. This process is supported by the Komatsu

components and enables remote analysis of the machine distributors, factory and design team. This contributes to

VHMS controller monitors the health conditions of major

VHMS (Vehicle Health Monitoring System)

abnormalities occur during operation, user code and service meter are displayed alternately. When a high importance user If the monitor finds abnormalities, corresponding warning lamp blinks and warning buzzer sounds. When blinks and warning buzzer sounds to prevent the development of serious code is displayed, a caution lamp



Oil pressure checking ports

Pressure checking ports for power train components are centralized to promote quick and simple diagnosis.

Gull-wing engine side covers

Gull-wing engine side covers facilitate engine maintenance one-piece structure with bolt-on latch to improve durability and filter replacement. Side covers are a thick

Komatsu

Satellite COMATSU

Low Maintenance Costs

Track link with wedge ring

a large press-fit force. This results in easier service with reduced pin bushings. The result is improved track pins are retained only with damage when turning pins and and a wedge ring. Conventional undercarriage life and reduced feature reduced press-fit force New D475A-5E0 track links maintenance cost through reduced wear, greater pin



reusability, and reduced maintenance man-hours.

Highly reliable electric circuit

The electrical circuit reliability is increased by utilizing dust, breaker and are covered with a heat-resistant material to vibration and corrosion resistant "DT connectors". The reinforced electrical wiring harnesses include a circuit increase mechanical strength, provide longer life, and protect the system from damage.

Flat face O-Ring seals

hydraulic hose connections and to prevent oil leakage. Flat face O-ring seals are used to securely seal all

Enclosed hydraulic piping

Hydraulic piping for the blade tilt cylinder is completely noused in the push arm protecting it from damage.

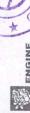
Modular power train design

that allows the components to be dismounted and mounted Power train components are sealed in a modular design without oil spillage, making servicing work clean, smooth, and easy.

Maintenance-free disc brakes

Wet disc brakes require less maintenance.

SPECIFICATIONS





	10E-3	ooled	12	6.50"	50 in ³	tronic		dH 6	HP OH	2000rpm	Hydraulic		ation	hinad
		cycle, water-cooled, direct injection furbocharged, air-to-air aftercooled		140 mm x 165 mm 5.51" x 6.50"	30.48 Itr 1,860 in3	All-speed, electronic		Gross 671kW 899 HP	Net 664kW 890 HP	200	Hyd		. Gear pump, force lubrication	Fill-flow and hypass combined
20	natsu S.	cooled, c		165 mm	30.4	. All-spe		Gross 6	Net 6				ump, for	and him
1	N. S.	Mater-c	7	x mm	*****			-					Gear p	H.flow
1	17	Turbo		140	::						:		:	П
0	1				:									
Z			ders		nent				ISO 9249/SAE J 1349*			m	:	
DNO			of cylind	roke	splacen		Wer	1995.	249/SAE	rpm	type .	on syste	d	
ENGINE	Model .	ype	Jumber of cylinders	sore x stroke	iston displacement	sovernor	lorsepower	SAE J1995	18O 9%	Rated rpm.	an drive type	ubrication system	Method	Filtor

TORORLOW TRANSMISSION at the maximum speed of

Komatsu TOROFLOW transmission consists of a water-cooled 3-eiement, 1-stage, 1-phase torque converter with lockup clutch and a planeaty gen, multiple-clutc clutch transmission which is hydraulically-equaled and force-lubricated for optimum heat dissipation, Gearshift lock level-an neutral safety switch prevent accidental starts.

GBar	00	For	Forward	Zig	Reve	Reverse
4st	100	3.3 km/h	(2,1 m	mph	4.2 km/h	2.6 mph
2nd	7	6.2 km/h	39 m	hdn	8.0 km/h	5.0 mph
Sid	1	11.2 km/h	0.	hqm	14.0 km/h	8.7 mph
1	1					

Z DUZ	Sid	/	/	120		110		101	00		80			I HA	8/				98		8	
,	4	ut d	DIST N	1200 1130 1120		1100 120 110		1000-110-100	001 000		06 - 06		200-30	07 -000	3	900	200	9	300	8	500	700
7.0	1.2	1	7	120	-	110-		8	2		08		2	8		2	-		9		200	
D.2 KID/B	11.2 km/h	1	1	F	F	F	F					1	1		1	1	1				T	-
-	3			-	+	+	+	-		-	1			1	-		-	X	Ħ			
7	2			-	t	1	-				i.	+	FIL		1	1		X	1	4		1
39 mpn	1.0 mph					İ							F10.OCK UP)		1	F2	ESTLOS			F3	1	1
.0	14.			-	CTO CTO	DED	2	Ziz								-	F2/1 OCK IIPs				FBILL	1
8.8 Km/n	14.0 km/h		D4	Pov	WEAR	CSUNE	VEIGHT	CLUDI	E			+	-		+	-					F31, OCK UP)	
			D475A-5E0	Power Shift	PULL	N TRA	OFT	NG M	EQUIPMENT				_		-		_					-
5.0 mpn	8.7 mph		EO	hift	MANYBAR PULL VS. SPEED	DEPENDS ON TRACTION AND	WEIGHT OF TRACTOR	INCLUDING MOUNTED	N.	-												

							14 km/s	mgh.
					OCK UP)		5	100
		H	KUP		2 /	1	0.00	. 9
FIG.OCK UP)			FZ(LOCK UP)	F3	X		- 00	TRAVEL SPEED
FIGOC		2		17	#	=	9	AVEL
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gear sets to sees for long final FINAL BRIVES Souble-reduction

STEERING SYSTEM

PCCS lever, joystick-controlled, wet multiple-disc steering clutches are spring-loaded and hydraulically released. Wet multiple-disc steering brakes are spring-actuated, hydraulically released, and require no adjustment. Steering clutches and brakes are interconnected for easy, responsive steering.

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UNDERCARRIAGE

Rollers and idlersLubricated track rollers	Rollers and
steel construction	
frame	Track roller frame
OSC	Suspension

frame with a bogie suspension system whose oscillating motion is cushioned by rubber pads.

.. 641 kW 860HP

ubricated track rollers are resiliently mounted to the track

abrasives into pin to bushing clearances to provide extended service life. Track tension is easily adjusted with grease gun. Lubricated tracks. Unique seals prevent entry of foreign Extreme Service Track Shoes

Vumber of shoes (each side) ... Grouser height:

.. 128 kPa 1.30 kg/cm² 18.5 psi Ground pressure (Tractor). Number of carrier rollers Single grouser Shoe width (standard) . Number of track rollers Ground contact area.

Tractor ground pressure	113 kPa 1.15 kg/cm² 16.4 psi	102 kPa 1.04 kg/cm² 14 8 nsi
Ground contact area	73290 cm² 11,360 in²	82340 cm ² 12,762 in ²
Additional weight	920 kg 2,030 lb	1830 kg 4,030 lb
Extreme service shoes	810 mm 32*	910 mm 36"

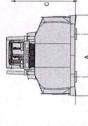
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Fuel tank1670 ltr	Coolant210 ltr	Itr	Torque converter, transmission,	bevel gear, and steering system 210 ltr 55.5 U.S.	1
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SEMI-U DOZER WITH GIANT RIPPER

E DIMENSIONS



4546 mm 2770 mm 5265 mm

11565 mm 2690 mm 4524 mm 3720 mm 1744 mm 1196 mm 4646 mm

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	< 0		

Ground Clearance: 655 mm 2'2"



Tractor weight83590 kg 184,290 lb Including steel cab, rated capacity of lubricant, coolant, full fuel

around pressure......166 kPa 1.69 kg/cm² 24.0 psi

HYDRAULIC SYSTEM

Closed-center load sensing system (CLSS) designed for precise and responsive control, and for efficient simultaneous operation.

Hydraulic control units:

Plunger type hydraulic pump with capacity (discharge flow) of 542 tr/min 143 U.S. gal/min at rated engine rpm. All spool valves externally mounted beside the hydraulic tank

Relief valve setting 27.5 MPa 280 kg/cm² 3,980 psi

Spool control valves for Semi-U tilt dozer and Full-U tilt dozer Control valves:

Positions: Blade liftRaise, hold, lower, and float Blade tilt.Right, hold, and left Right, hold, and left

.... Raise, hold, and lower Spool control valves for variable digging angle multi-shank ripper Positions: Ripper lift..... Ripper tilt. and giant ripper.

	Number of cylinders	Bore
Blade lift	2	180 mm 7.09°
Blade tilt		250 mm 9.84"
Ripper lift	2	225 mm 8.86°
Ripper tilt	2	225 mm 8.86°

Hydraulic cylinders..... Double-acting, piston

volume):	
(additional	
capacity	
0	
Hydraulic	

180 ltr 48 U.S. gal 130 ltr 34 U.S. gal lipper equipment (additional volume): Multi-shank ripper Semi-U tilt dozer U tilt dozer ...

gal

gal

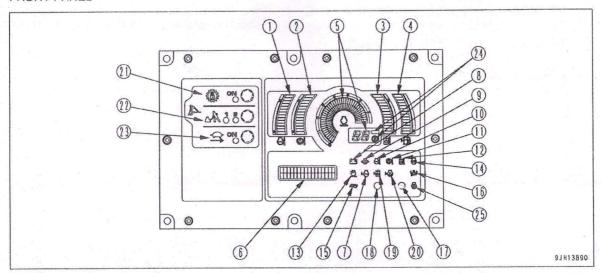
DOZER EQUIPMENT

Blade capacities are based on the SAE recommended practice J1265.

	Overall			Maximum	Maximum	Maximum	Weight	
	length with dozer	Blade	Blade length x height	lift above ground	drop below ground	adjustment	Dozer equipment	Ground pressure*
Semi-U dozer	8705 mm 28'7'	27.2 m³ 35.6 yd³	5265 mm x 2690 mm 17'3' x 8'10"		1010 mm 3'4"	770 mm 2'6'	16500 kg 36,376 lb	166 kPa 1.69 kg/cm² 24.0 psi
J dozer	9205 mm 30°2°	34.4 m³ 45.0 yd²	6205 mm x 2610 mm 20'4" x 8'7		1010 mm 3'4'	985 mm 3*	18800 kg 41,446 lb	169 kPa 1.72 kg/cm² 24.5 psi
Jual tift Serni-U dozer	8705 mm 28'7'		5265 mm x 2690 mm 17.3" x 8'10"		1010 mm 3:4*	1145 mm 3'9"	16950 kg 37,368 lb	166 kPa 1,69 kg/cm² 24.0 psi
Dual tilt J dozer	9205 mm 30'2'	34.4 m³ 45.0 yd³	6205 mm x 2610 mm 20'4" x 8"7"	1628 mm 5'4*	1010 mm 3.4"	1350 mm 4:5	19250 kg 42.439 lb	170 kPa 1,73 kg/cm² 24.3 psi

rure shows tractor, cab, ROPS, operator, giant ripper, standard equipment, and applicable blade.

FRONT PANEL



- (1) Engine coolant temperature gauge
- (2) Power train oil temperature gauge
- (3) Hydraulic oil temperature gauge
- (4) Fuel level gauge
- (5) Display panel A (speed range display, engine speed)
- (6) Display panel B (multi-information)
- (7) Radiator coolant level check lamp
- (8) Charge condition caution monitor
- (9) Engine oil pressure caution lamp
- (10) Engine coolant temperature caution lamp
- (11) Power train oil temperature caution lamp
- (12) Hydraulic oil temperature caution lamp

- (13) Air cleaner clogging caution lamp
- (14) Engine pre-heating pilot lamp
- (15) Maintenance caution lamp
- (16) Dual/single tilt selector display lamp
- (17) Warning lamp
- (18) Fan rotation selection impossibility lamp
- (19) Hydraulic oil level caution lamp (if equipped)
- (20) Engine oil level caution lamp (if equipped)
- (21) Lock up mode switch
- (22) Economy mode switch
- (23) Reverse slow mode selector lamp
- (24) Torque converter lock up pilot indicator
- (25) Fan reversal lamp



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CIL/C2D/Crawler Dozer/R-153/309 dated 07

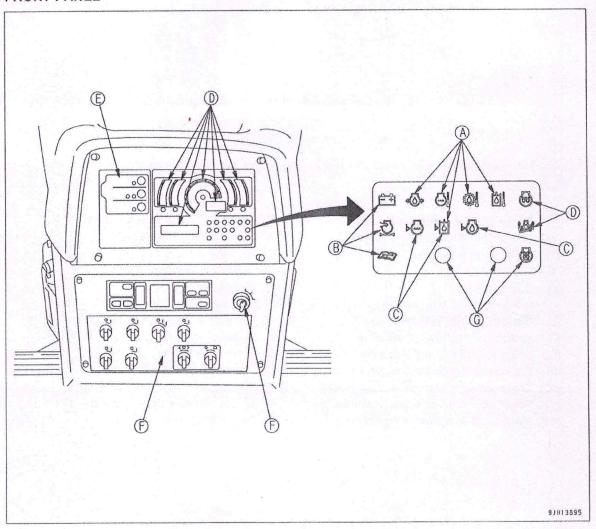
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EXPLANATION OF COMPONENTS

The following is an explanation of devices needed for operating the machine.

To perform suitable operations correctly and safely, it is important to completely understand methods of operating the equipment, and the meanings of the displays.

FRONT PANEL



- Emergency caution items (A)
- (B) Caution monitor group
- (C) Check monitor group
- Meter and indicator group

- Mode selection switch group
- (F) Switches
- (G) Lamps









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EMERGENCY CAUTION ITEMS



CAUTION

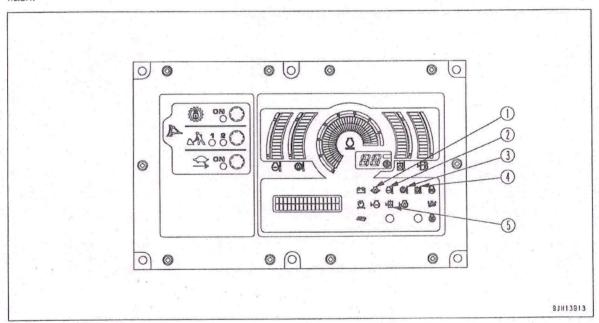
If the caution lamp for any of these items flashes, stop the engine immediately or run it at low idling, and take the following action.

NOTICE

- · Park the machine on level ground and check the monitor lamps.
- Confirm that these caution lamps light for about 3 seconds after the starting switch is turned to ON. If any monitor lamp does
 not light, have your Komatsu distributor inspect and repair it.

These items need to be observed while the engine is running. If any abnormality occurs, items that need to be repaired immediately are displayed.

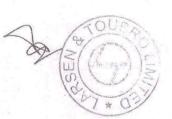
If there is any abnormality, alarm buzzer sounds intermittently and the abnormal location on the caution lamp will flash.



- (1) Engine oil pressure caution lamp
- (2) Engine coolant temperature caution lamp
- (3) Power train oil temperature caution lamp
- (4) Hydraulic oil temperature caution lamp
- (5) Hydraulic oil level caution lamp (if equipped)









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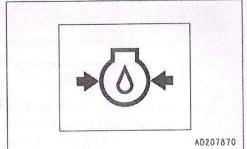
ENGINE OIL PRESSURE CAUTION LAMP

This lamp (1) indicates low engine oil pressure.

If the monitor lamp flashes, stop the engine and check it immediately.

REMARK

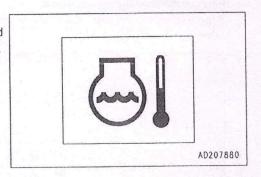
The alarm buzzer sounds, when the starting switch is turned to ON immediately after the engine oil has been changed. It does not indicate a problem.



ENGINE COOLANT TEMPERATURE CAUTION LAMP

This lamp (2) indicates a rise in the coolant temperature.

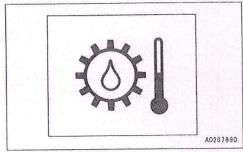
When the monitor lamp flashes, run the engine at low idle speed until green range of the engine coolant temperature gauge lights.



POWER TRAIN OIL TEMPERATURE CAUTION LAMP

Lamp (3) warns operator that the torque converter outlet port oil temperature has risen.

If it flashes, run the engine at low idling until the power train oil temperature gauge goes down to the green range.



HYDRAULIC OIL TEMPERATURE CAUTION LAMP

Lamp (4) indicates a rise in the hydraulic oil temperature.

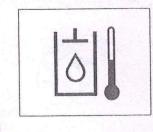
When the monitor lamp flashes, stop the machine and run the engine at the low idling speed until oil temperature falls.













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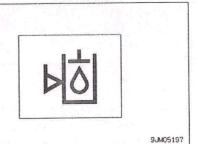
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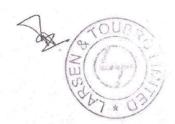
HYDRAULIC OIL LEVEL CAUTION LAMP

(if equipped)

This lamp (5) warns the operator that the level of the hydraulic oil in the hydraulic tank has gone down.

If the lamp flashes, check the level of the hydraulic oil in the hydraulic tank, and add oil.







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10.2025

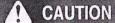
The Asian Business

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CAUTION MONITOR GROUP

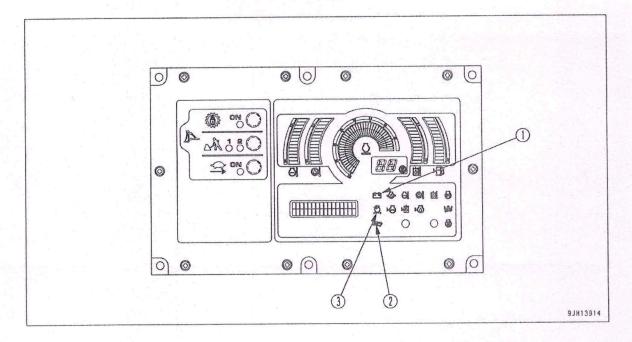


If these caution lamps flash, check and repair the appropriate location as soon as possible.

NOTICE

- · Park the machine on level ground and check the monitor lamps.
- . Confirm that monitor lamps light up about 3 seconds after the starting switch is turned to the ON position. If any monitor lamp does not light, contact your Komatsu distributor to inspect and repair.

These are items which need to be observed when the engine is running. If any problem occurs, the item needing immediate repair is displayed. If there is any problem, the problem location on the caution lamp will flash.



- Charge condition caution lamp (1)
- Maintenance caution lamp

(3) Air cleaner clogging caution lamp

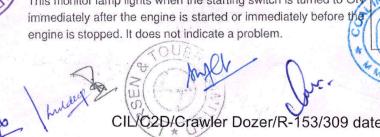
CHARGE CONDITION CAUTION LAMP

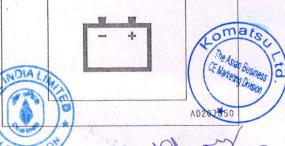
Lamp (1) indicates an abnormality in the charging system while the engine is running.

If the monitor lamp flashes, check the V-belt tension. If any abnormality is found, see "OTHER TROUBLE (PAGE 3-176)".

REMARK

This monitor lamp lights when the starting switch is turned to ON immediately after the engine is started or immediately before the engine is stopped. It does not indicate a problem.





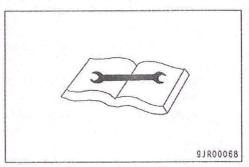
CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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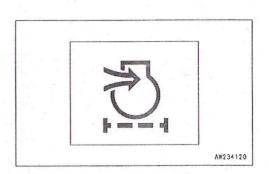
MAINTENANCE CAUTION LAMP

Lamp (2) lights up when the filter or oil change interval has been reached. DISPLAY PANEL B (Multi-information) (PAGE 3-17) to the maintenance mode and check or replace the applicable filter or oil.



AIR CLEANER CLOGGING CAUTION LAMP

Lamp (3) warns operator that the air cleaner is clogged. If it flashes, stop the engine, check and clean the air cleaner.











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CHECK MONITOR GROUP

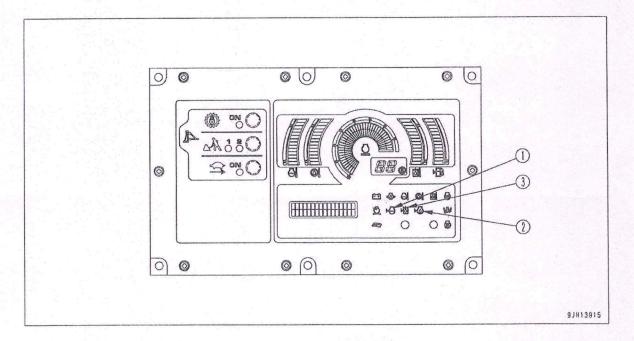
NOTICE

- When performing the check before starting, do not rely only on these monitors. Always refer to "OPERATION (PAGE 3-84)" to
 perform these checks.
- Park the machine on level ground and then check the monitor lamps.
- Confirm that monitor lamps light up about 3 seconds after the starting switch is turned to the ON position. If any monitor lamp
 does not light, contact your Komatsu distributor to inspect and repair.

REMARK

- When the starting switch is turned to the ON position, before starting the engine, the caution lamps flash for 3 seconds, the warning lamps light up for 3 seconds, and the alarm buzzer sounds for 1 seconds.
- The caution lamps cannot be checked for any malfunction until at least 5 seconds after the engine has been stopped.

This displays the basic items among the check before starting items that must be checked before starting the engine. If there is any abnormality, the caution lamp for that location will flash.



- (1) Radiator coolant level caution lamp
- (2) Engine oil level monitor (if equipped)

(3) Hydraulic oil level caution lamp (if equipped)









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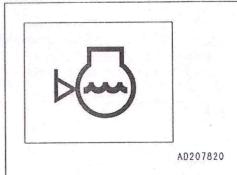
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RADIATOR COOLANT LEVEL CAUTION LAMP

This lamp (1) warns the operator that the level of the cooling water in the radiator has gone down.

If the lamp flashes, check the level of the cooling water in the main radiator, and add water.

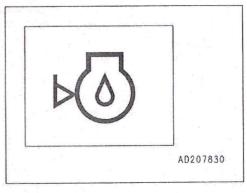


ENGINE OIL LEVEL MONITOR

(if equipped)

This lamp (2) warns the operator that the level of the engine oil in the engine oil pan has gone down.

If the lamp flashes, check the oil level in the engine oil pan, and add

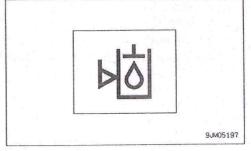


HYDRAULIC OIL LEVEL CAUTION LAMP

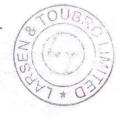
(if equipped)

This lamp (3) warns the operator that the level of the hydraulic oil in the hydraulic tank has gone down.

If the lamp flashes, check the level of the hydraulic oil in the hydraulic tank, and add oil.













CIL/C2D/Crawler Dozer/R-153/309 dated 07\f



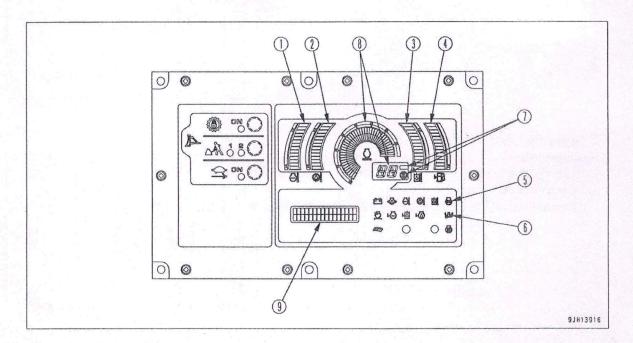
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METER GROUP

NOTICE

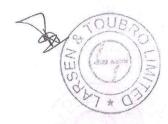
While the engine is at rest, turn the starting switch to the ON position to see if the engine coolant temperature gauge, power train oil temperature gauge, fuel level gauge, and monitor lamps all light up.

If they do not, have your Komatsu distributor inspect and repair it.



- (1) Engine coolant temperature gauge
- (2) Power train oil temperature gauge
- (3) Hydraulic oil temperature gauge
- (4) Fuel level gauge
- (5) Engine pre-heating pilot lamp
- (6) Dual/single tilt selector display lamp (dual tiltdozer specification)
- (7) Torque converter lock-up display indicator
- (8) Display panel A (speed range display,engine speed)
- (9) Display panel B(multi-information)









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CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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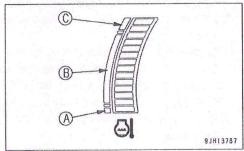
ENGINE COOLANT TEMPERATURE GAUGE

Gauge (1) indicates temperature of the engine coolant.

If the temperature is normal during operation, green range (B) will light.

If red range (C) lights during operation, move the fuel control dial to lower engine speed to approx. 3/4 of the full speed, and run until the coolant temperature enters green range (B).

During operation, if red range (C) lights, engine coolant temperature monitor flashes and the alarm buzzer sounds, stop the machine and run at low idle until coolant temperature enters green range (B).



- (A) White range
- (B) Green range
- (C) Red range

NOTICE

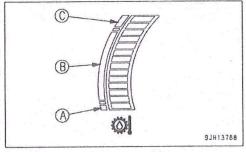
If the coolant temperature gauge often enters red range (C), check the radiator for clogging.

POWER TRAIN OIL TEMPERATURE GAUGE

Gauge (2) indicates the torque converter outlet oil temperature. If the temperature is normal during operation, green range (B) will light.

If red range (C) lights up during operation, move the fuel control dial to lower engine speed to approx. 3/4 of the full speed, reduce the load and run until the oil temperature enters green range (B).

If red range (C) lights up, the power train oil temperature caution lamp flashes and the alarm buzzer sounds during operations, stop the machine, and run the engine at low idling until the oil temperature goes down to green range (B).



- (A) White range
- (B) Green range
- (C) Red range

NOTICE

If the power train oil temperature gauge often enters red range (C), shift down one speed range to reduce the load on the power train when operating.



CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

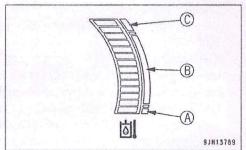
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HYDRAULIC OIL TEMPERATURE GAUGE

Gauge (3) indicates the hydraulic oil temperature.

If the temperature is normal during operation, green range (B) will light.

If red range (C) lights up during operation, move the fuel control dial down to approx. 3/4 of the full speed, reduce the load, and run until the oil temperature enters green range (B). If the oil temperatures does not enter green range (B) even when the load is reduced, stop the work equipment control lever and run until the oil temperature enters green range (B).

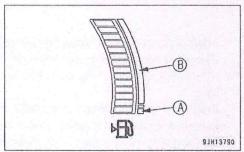


- (A) White range
- (B) Green range
- (C) Red range

FUEL LEVEL GAUGE

Gauge (4) fuel level in the fuel tank.

During normal operation, the green range (B) should be lit. If red range (A) lights up during operation, add fuel immediately. If this is not done, the engine speed will become irrgular or an error display will be shown on the monitor.



(A) Red range (B) Green range

REMARK

- The display is not proportional to the amount of fuel remaining.
- If only the red range (A) lights up, there is less than 270 liters (71.34 US gal) of fuel remaining.

ENGINE PRE-HEATING PILOT LAMP

Lamp (5) indicates that engine is being pre-heated by the electrical heater during cold weather.

The engine controller detects the coolant temperature and automatically actuates pre-heating in low temperatures when starting the engine.



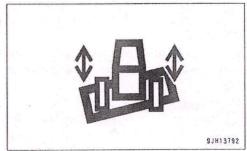
CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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DUAL/SINGLE TILT SELECTOR DISPLAY LAMP

(Dual tiltdozer specification)

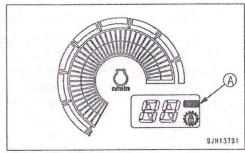
This lamp (6) lights up when the dual/single selector switch on the work equipment control lever is set to DUAL.



TORQUE CONVERTER LOCK-UP DISPLAY INDICATOR

Lamp (A) of this indicator (7) lights up when the torque converter has been automatically locked up (when transmission is set to direct drive) after lock up switch for the mode selection switch panel has been turned ON.

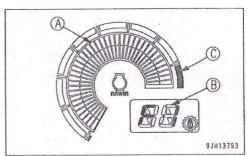
The lamp goes out when torque converter drive is being used.



DISPLAY PANEL A (speed range display, engine speed)

Meter (8) displays transmission speed range (B) being used on the machine and engine speed.

- When the transmission is in 1st FORWARD, the display shows F1, and when it is in 1st REVERSE, the display shows R1.
- The peripheral bar graph (A) indicates the engine speed. When the red range (C) lights up during running, shift the gear to a lower speed to run the engine at a speed within the green range.









on detailed to 2025

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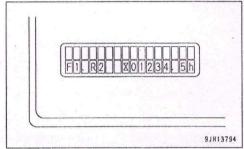
DISPLAY PANEL B (Multi-information)

This monitor (9) displays information related to the condition of the machine on the top and bottom lines of the display portion. The content of the display can be switched by operating the service mode selector switch.

(1) Operating mode (normal operation screen) Use this mode when operating the machine.

REMARK

When starting switch is turned from the OFF position to the ON position, the multi-information is set to the operating mode.



The shift mode selected by operation of the "GEARSHIFTING USING SHIFT MODE SELECTION (PAGE 3-122)" through the shift mode selection is displayed on the left side of the monitor.

The total operating hours of the machine is displayed at the bottom right of the monitor. (Use the service meter function display to set the interval for periodic maintenance.)

When the engine is running, the service meter advances, even if the machine is not moving.

When the engine is running, the hourglass mark pilot display at the side of the meter lights up to show that the meter

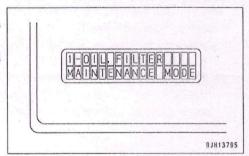
The meter advances by 1 for every hour of operation, regardless of the engine speed.

If there is a failure in the machine, the failure code is also displayed on the top line. If a failure code is displayed, carry out the remedy given in "OTHER TROUBLE (PAGE 3-176)".

(2) Maintenance mode

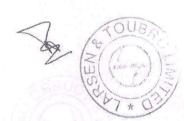
The maintenance mode is displayed by continuing to turn the buzzer cancel switch in the ♦ direction for 2.5 seconds.

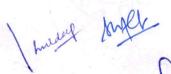
For details, see "METHOD OF USING DISPLAY PANEL B (Multi-information) (PAGE 3-26)".















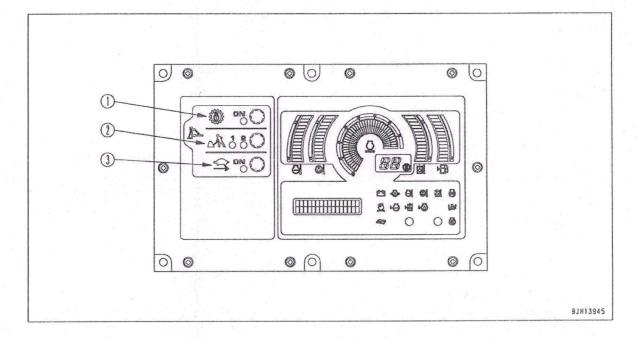


CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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MODE SELECTION SWITCH GROUP

- · Press each mode switch to turn it ON or OFF and to select the mode.
- For details of setting the mode to use, see "EFFECTIVE USE OF MODE SELECTION SYSTEM (PAGE 3-138)".
- Only the reverse slow mode can be selected in combination with the lock-up mode.
- The economy mode, and reverse slow mode can be used independently or in combination.



- (1) Lock up mode switch
- (2) Economy mode switch

(3) Reverse slow mode selector switch

Selecting mode to match the type of work and quality of rock and soil makes to perform operations effectively.

Do	Daviera alou made	
Lock up mode	Economy mode	Reverse slow mode
0	×	0
×	0	0

O: Possible to use X: Compound use not possible



Ingle





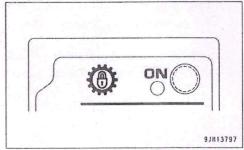
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LOCK UP MODE SWITCH

Switch (1) is used when more power is needed rather than high production (such as when dozing loose soil).

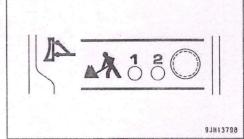
The drive is switched between torque converter drive and direct drive according to the load. When it is ON, the lamp lights up.



ECONOMY MODE SWITCH

Switch (2) is used for hauling work after ripping or for dozing blasted rock.

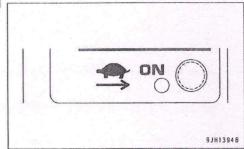
When the system is OFF, if the switch is pressed once, mode [1] lights up, and if it is pressed again, mode [2] lights up. Select the mode according to the type of rock.



REVERSE SLOW MODE SELECTOR SWITCH

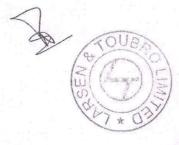
Switch (3) is used to make small reductions in the travel speed when traveling in R1, R2, or R3.

When it is turned ON, the lamp lights up.

















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KOMATSU

Komatsu Ltd. Shiodome Building, No.2-20 Kaigan, 1-Chome, Minato-ku, Tokyo 105-8316, Japan Tel: +81-3-6849-9874

Fax: +81-3-6849-9853

Ref: CIL/D475/24-25/Tech/05

Date: July 9, 2024

M/s. Coal India Limited, Coal Bhawan, Premises No. 4, Action Area IA, New Town, Rajarhat, Kolkata-700 156, India

Dear Sir,

Sub: Declaration on Manuals as per clause D.9.2.xii)

Your Tender Ref. No: CIL/C2D/850HP Dozers/R-153/24-25/395 Dated 12.06.2024 Ref:

We hereby declare that we will provide the required manuals in accordance with ISO 6750 as indicated in clause A.3 of section VI of the NIT, during commissioning of the Equipment.

Thanking you and always assuring you of our best services.

The Asian Busines Marketing Division

Yours sincerely

For Komatsu Ltd.,

Authorized Signatory

Name: Kazuma Nakanishi

Date: 9th July 2024

CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

Page 205 of 212

PACKING LIST

PACKAGE NO	NO OF	DESCRIPTION	Q'TY	MEASURE' T	WEIGHT (
	PACKAGE	CONT/ORDER NO. *2	4 11	(M3)	ŅĘT	GROSS
H19GV10-0001	1	MAIN BODY OF KOMATSU D475A-5E0	1	84. 351	45, 020	45, 020
	UNIT	PRODUCT IDENTIFICATION NO.		04.001	401 020	401 020
		KMT0D075ALC030533 BODY NO. 30533				
		ENGINE NO. 512058 L(CM) * W(CM) * H(CM)				
		734 338 340				
H19GV10-0002	BARE	710MM SHOE 1/2	1	5. 061	6, 050	6, 050
		L (CM) * W (CM) * H (CM) 440 71 162				
H19GV10-0003	1 BARE	710MM SHOE 2/2	1	5. 061	6, 050	6, 050
	DAKE	L (CM) * W (CM) * H (CM) 440 71 162				
H19GV10-0004	1	TRACK FRAME 1/2	1	6. 138	12, 500	12, 500
	BARE	L (CM) * W (CM) * H (CM)				
U100V10 0005		438 98 143				
H19GV10-0005	BARE	TRACK FRAME 2/2 L (CM) * W (CM) * H (CM)	100	6. 138	12, 500	12, 500
		L (CM) * W (CM) * H (CM) 438 98 143				
H19GV10-0006	1 S. PALLET	OPERATOR CAB	1	6. 279	500	550
	Viii	L(CM) * W(CM) * H(CM) 195 175 184				
H19GV10-0007	1	ROPS CANOPY	1	3. 799	940	1, 050
	S. PALLET	L (CM) * W (CM) * H (CM)				
H19GV10-0008		220 110 157 HD SEMI U DOZER	1	22. 810	0.700	0.700
11134110 0000	BARE	L (CM) * W (CM) * H (CM)	'	22. 010	9, 700	9, 700
		528 270 160				
H19GV10-0009	SKID	I-FRAME	1	4. 538	4, 050	4, 200
		L (CM) * W (CM) * H (CM) 497 110 83				
H19GV10-0010	1 C DALLET	GIANT RIPPER BEAM	1	6. 076	2, 500	2, 800
	S. PALLET	L (CM) * W (CM) * H (CM) 184 172 192				
H19GV10-0011	1	GIANT RIPPER ARM	1	8. 487	4, 780	5, 100
	S. PALLET	L(CM) * W(CM) * H(CM)		0. 401	4,700	3, 100
1100010 0010		300 205 138	NDIA LIAN			omats,
119GV10-0012	SASEBRO	DISASSEMBLED PARTS	A A	1. 020	160	The Asian Business
(4)	6	L (CM) * W (CM) * H (CM) 170 75 80	3000			CE Marketing Division
119GV10-0013	STEEL CASE	EIPPER PARTS	DIVISION	0. 361	360	380
100		L (CM) * W (CM) * H (CM) 128 60 47				
119GV10-0014	1	DOZER PARTS	1	2. 641	2, 600	2, 800
	CASE	L(CM) * W(CM) * H(CM)	'	2. 041	2,000	~ 2,000
		223 103 115	Im	Man	M. Du	1/12

CIL/C2D/Crawler Dogen PRONT 30 dated 07.10.2025

Page 206 of 212

Komatsu Ltd.

No.3-6, Akasaka 2-chome, Mineto-Ku, Tokyo 107-8414, Japan

PACKING LIST (ATTACHED SHEET)

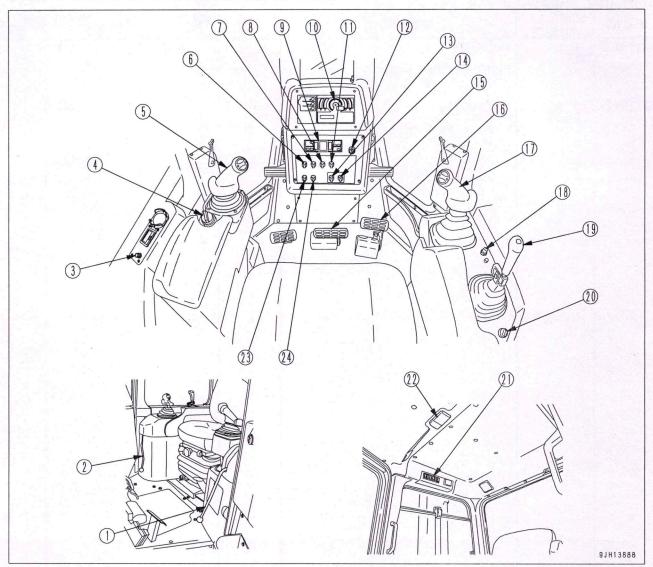
PAGE

PACKAGE NO	NO OF PACKAGE	DESCRIPTION	Q'TY	MEASURE'T (M3)	WELGHT (K	GS) GROSS
H19GV10-0015	1 CASE	SHOE PARTS	1	0. 181	210	220
	CASE	L (CM) * W (CM) * H (CM) 108 48 35				
1400140		The state of the s				
H19GV10-0016	1 S. PALLET	SPILL GURAD	1	0. 663	260	280
		L (CM) * W (CM) * H (CM) 78 250 34				
	16 PACKAGE (S)			163. 604	108, 180	109, 400
	PACKAGE (S)			100		

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		(QUBA)			= 181	
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		CIL/C2D/Crawler Dozzer	53/309 dated	07.10.2026	Pac	ge 207 of 2

Annexure 2

GENERAL VIEW OF CONTROLS AND GAUGES



- (1) Parking brake lever
- (2) Work equipment lock lever
- (3) Cigarette lighter
- (4) Fuel control dial
- (5) Joystick(Steering, directional and gear shift lever)
- (6) Front lamp, working lamp switch
- (7) Rear lamp switch
- (8) Fan rotation selector switch
- (9) Air conditioner panel or heater panel
- (10) Display panel A
- OUB (speed range display, engene speed)
- (11) Auto shift down switch

- (12) Starting switch
- (13) Information switch
- (14) Buzzer cancel switch
- (15) Brake pedal
- (16) Deceleration pedal
- (17) blade control lever
- (18) Horn switch
- (19) Ripper control lever
- (20) Pin puller control switch(if equipped)
- (21) Wiper switch
- (22) Room lamp switch
- (23) Extra strong wind flow switch
- (24) Additional heater switch(if equipped)





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Bank Details for Electronic Payment

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24/06/2021

M/s. Coal India Ltd., 1st Floor, Premises No. 04, Plot no. AF-III, Action Area 1A, New Town, Kolkata - 700 156.

Dear Sir,

Sub: Authorization of all our payments through Electronic Fund Transfer system/RTGS/NEFT/LC.

We hereby authorize Coal India Ltd. to disburse all our payments through Electronic Fund Transfer system/RTGS/NEFT/LC. The details for facilitating the payment are given below:

1	Name of the Beneficiary, address with Telephone No.	LARSEN & TOUBRO LIMITED
2	Bank name, address with Telephone No.	ICICI BANK LIMITED
3	Branch name & code	A Shangrila Garden, Bund Garden Road, Pune – 411001 Branch Code: 005
4	Bank account number with style of account (Current Account)	000505002275
5	IFSC Code No./Swift Code of the Bank	IFSC CODE : ICIC0000005 SWIFT CODE : ICICINBB005
6	PAN No. of the Beneficiary	AACL0140P
7	E-Mail No. and Mobile No. of the Beneficiary for intimation of release of payment.	Deepak.Oak@larsentoubio.com Cell No.9922500566

We hereby declare that particulars given above are correct and complete and if the transaction is delayed or credit is not affected due to incorrect information, we will not hold Coal India Ltd. responsible.

Authorized Signatory

Deepak Oak / Nitin Agrawal

Bank Certification

It is certified that above mentioned beneficiary holds a Bank Account No. 000505002275 with our branch and the

Bank particulars mentioned above are correct.

COLO Bank Limited

2 4 JUN 2021

Larsen & Toubro Limited RECEAN

WITHOUT RESPONSIBILITY ON THE PART C THE BANK OR THE SIGNING OFFICER WE CONFIRM THAT THIS SIGNATURE AGREES WITH THE SPECIMEN HELD IN OUR FILE. Date 2 | 6 (2) For ICICI Bank Limited, Pune

Sign. No. : - R407+ L&T House, 191/1, Dhole Patil Road, Pune 411 001. Maharashtra, India

Authorised Signatory egistered Office

L& House, N.M. Marga Ballard Estate

Mambai - 400 00

Date: '4/06/2021

Tel: + 1 20-48544240, Fax: +91 20 - 26164910 www.Larsentoubro.com Corpor ite Identity Number (CIN)L99999MH199 PLC004768

INDIA

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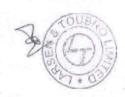
Annexure-7

2-7-1, Marunouchi, Chiyoda-ku, Tokyo 100-8388, Japan

Sec-IV, SCC & Annexure-14, Sample Forms, Sec-VII

BANK STATEMENT

To: Coal India Ltd., 1st Floor, Premises No. 04, Plot no. AF-III, Action Area 1A, New Town, Kolkata – 700 156.



Dear Sirs,

We hereby certify that the account which is stated below is held in our bank.

Account holder's name	KOMATSU LTD.
Account holder's address registered in our bank	3-6 AKASAKA 2-CHOME, MINATO-KU TOKYO 107-8414 JAPAN
Branch Name	HEAD OFFICE
Branch Code	001
Account Number	0154392
Currency	JPY
SWIFT code	BOTKJPJT

Sincerely

MUFG Bank, Ltd.

Corporate Banking Division No.3 Corporate Banking Group No.1

Managing Director, Head of Corporate Banking Department No.1

Takayuki Kato







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Komatsu Ltd. Shiodome Building, No.2-20 Kaigan, 1-Chome, Minato-ku, Tokyo 105-8316, Japan Tel: +81-3-6849-9874 Fax: +81-3-6849-9853

Annexure-17

Format for Bank Details for Electronic Payment

To-M/s. Coal India Ltd., 1st Floor, Premises No. 04, Plot no. AF-III, Action Area 1A, New Town, Kolkata - 700 156

Dear Sir,

Sub: Authorization of all our payments through Electronic Fund Transfer system / RTGS / NEFT / LC.

We hereby authorize Coal India Ltd. to disburse all our payments through Electronic Fund Transfer system/RTGS/NEFT/LC. The details for facilitating the payment are given below:

1	Name of the Beneficiary, address with Telephone No.	Komatsu Ltd. Shiodome Building, No. 2-20 Kaigan 1-Chome, Minato-ku Tokyo 105-8316, Japan Tel: +81-3-6849-9874
2	Bank name, address with Telephone No.	MUFG Bank Ltd. 2-7-1, Marunouchi, Chiyoda-Ku, Tokyo 100-8388, Japan Tel: +81-3-3240-1111
3	Branch name & code	Head office, 001
4	Bank account number with style of account (Savings/Current)	Account no: 0154392 Style of account: Current
5	IFSC Code No./Swift Code of the Bank	Swift code: BOTKJPJT
6	PAN No. of the Beneficiary	Not applicable
7	E-Mail No. and Mobile No. of the Beneficiary for intimation of release of payment	Kazuma nakanishi@global.komatsu +81-3-6849-9874

I/We hereby declare/that particulars given above are correct and complete and if the transaction is delayed or credit is not effected due (or incorrect information, I/we will not hold Coal India Ltd. responsible.

Authorized Signatory

Name: Kazuma Nakanishi

Date: 9th July 2024

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CIL/C2D/Crawler Dozer/R-153/309 dated 07.10.2025

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Komatsu Ltd.
Shiodome Building,
No.2-20 Kaigan,
1-Chome, Minato-ku,
Tokyo 105-8316, Japan
Tel: +81-3-6849-9874
Fax: +81-3-6849-9853

Ref: CIL/D475/24-25/Comm/08

Date: July 23, 2024

M/s. Coal India Limited, Coal Bhawan, Premises No. 4, Action Area IA, New Town, Rajarhat, Kolkata-700 156, India

Dear Sir,

Sub: Temporary Relocation of our Office

Ref: Your Tender Ref. No: CIL/C2D/850HP Dozers/R-153/24-25/395 Dated 12.06.2024

We would like to bring to your attention that we have relocated our headquarters temporarily to reconstruct the existing building (registered office). The details of the registered office and new location are provided below.

Registered Office

: Komatsu Ltd.

3-6 Akasaka, 2-Chome

Minato-Ku, Tokyo - 107 8414, Japan

New Location

: Komatsu Ltd.

1-2-20 Kaigan

Minato-Ku, Tokyo 105-8316, Japan

Few documents like proneness documents, bank account details shall have the address of the registered office. We request you to kindly accept these documents.

Thanking you and always assuring you of our best services and attention.

he Asian Busines

Yours Sincerely,

For Komatsu Ltd.,

Authorized Signatory

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