

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	18-09-2026 11:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	18-09-2026 11:30:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	120 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Ministry Of Coal
विभाग का नाम/Department Name	Coal India Limited
संगठन का नाम/Organisation Name	Mahanadi Coalfields Limited
कार्यालय का नाम/Office Name	Mcl Sambalpur Odisha
शिकायत निवारण के संपर्क विवरण/ Contact details of Grievance redressal	HOD Email id :cgm-mm.mcl@coalindia.in Buyer Email id: mmpur2c.mcl@coalindia.in
कुल मात्रा/Total Quantity	8
वस्तु श्रेणी /Item Category	Power Transformer, Oil immersed type (Q3)
वर्षों के अनुभव एवं टर्नओवर से एमएसई को छूट प्राप्त है / MSE Relaxation for Years Of Experience and Turnover	Yes Complete
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / Startup Relaxation for Years Of Experience and Turnover	Yes Complete
विक्रेता से मांगे गए दस्तावेज़/Document required from seller	Certificate (Requested in ATC),OEM Authorization Certificate,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेजों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेनू है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	3

बिड विवरण/Bid Details	
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	7
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	1
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	Yes
रिवर्स नीलामी योग्यता नियम/RA Qualification Rule	H1-Highest Priced Bid Elimination
बिड का प्रकार/Type of Bid	Two Packet Bid
प्राथमिक उत्पाद श्रेणी/Primary product category	Power Transformer, Oil immersed type
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	7 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
क्या पार्ट क्वांटिटी बोली लगाने की अनुमति है? / Is Part Quantity Bidding Allowed?	Yes
अनुमानित बिड मूल्य / Estimated Bid Value	85074869.1
Payment Timelines	Payments shall be made to the Seller within 21 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
मूल्यांकन पद्धति/Evaluation Method	Item wise evaluation
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

ईएमडी विवरण/EMD Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
Schedule 1 ईएमडी राशि/EMD Amount (In INR)	196000
Schedule 2 ईएमडी राशि/EMD Amount (In INR)	158000
Schedule 3 ईएमडी राशि/EMD Amount (In INR)	215000
Schedule 4 ईएमडी राशि/EMD Amount (In INR)	1133000

ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईपीबीजी प्रतिशत (%) /ePBG Percentage(%)	5.00
ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).	11

(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित कैटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज़ प्रस्तुत करने है। एमएसई कैटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।/EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). The EMD Amount will be applicable for each schedule/group selected during Bid creation.

(c). ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

(d). ईएमडी और संपादन जमानत राशि लाभार्थी के पक्ष में होनी चाहिए। / Earnest Money Deposit (EMD) shall also be accepted by the buyer in the form of a surety bond.

लाभार्थी /Beneficiary :

Mahanadi Coalfields Limited
MCL Sambalpur Odisha, COAL INDIA LIMITED, Ministry of Coal
(O/o Gm Mm)

विभाजन/Splitting

विभाजन/Splitting Applied	Yes
बोलीदाताओं की अधिकतम संख्या, जिनके बीच ऑर्डर विभाजित किया जा सकता है। / Maximum No. Of Bidders Amongst Which Order May Be Split	2
विभाजन मानदंड इस बात पर आधारित है कि कौन सी क्वांटिटी को वितरित किया जाएगा / Split Criteria based on which quantity will be distributed	If L1 bidder is unable to take the entire quantity. In such cases, after coverage of quantity on L1 bidder as per its capacity/ offer, the remaining quantity may be ordered on the L2 bidder at the rates offered by the L1 bidder and for this purpose, L1 rates may be counter offered to L2 bidder. If L2 bidder does not accept the L1 rates or is also not able to meet the remaining requirement, then the balance quantity may be covered on L3 bidder and this process may be followed till the entire tender quantity is covered. All such orders are to be placed at the rates offered by the lowest responsive tenders (L1).

एमआईआई के लिए आरक्षित / Reserved for Make In India products

एमआईआई के लिए आरक्षित / Reserved for Make In India products	Yes
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एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं/सेवा प्रदाता को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ / Purchase Preference to MSE OEMs/ Service Provider available upto price within $L1+X\%$	15
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माता/सेवा प्रदाता को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Percentage of Bid quantity/amount for MSE OEMs/ Service Provider Purchase preference	25

ट्रेड्स भुगतान संबंधी विवरण/TReDS Payment Details

This Bid provides for Trade Receivables Discounting System (TReDS) as Preferred mode of payment. For MSME sellers, payments may be processed through a TReDS exchange in which the Buyer is registered, subject to applicable policy and regulatory guidelines. Accordingly, sellers intending to avail payment through TReDS are required to be registered with at least one TReDS exchange in which the buyer is registered.

S.No.	Name
1	RXIL
2	M1XCHANGE

1. If the bidder is a Micro or Small Enterprise as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Experience Criteria" as defined above subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
2. If the bidder is a Micro or Small Enterprise (MSE) as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Bidder Turnover" as defined above subject to meeting of quality and technical specifications. If the bidder itself is MSE OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover, shall upload the supporting documents to prove his eligibility for Relaxation.
3. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Experience Criteria" as defined above subject to their meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
4. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Bidder Turnover" as defined above subject to their meeting of quality and technical specifications. If the bidder is DPIIT Registered OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover shall upload the supporting documents to prove his eligibility for Relaxation.
5. Bid reserved for Make In India products: : Procurement under this bid is reserved for purchase from Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. However, eligible micro and small enterprises will be allowed to participate. The minimum local content to qualify as a class 1 local supplier is denoted in the bid document. All bidders must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which the bid is liable to be rejected. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020 . In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.
6. **Purchase preference to Micro and Small Enterprises (MSEs):** Purchase preference will be given to MSEs

having valid Udyam Certificate and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service, and Buyer will decide eligibility for purchase preference based on documentary evidence submitted in case of product bids, whereas in case of services the eligibility is automatically validated. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

पार्ट क्वांटिटी बोली लगाना / Part Quantity Bidding

Buyer has allowed part quantity bidding, bidders can offer maximum quantity that they can deliver keeping in mind their capacity and delivery period requirements. The offer quantity has to be more than minimum bid quantity as specified by the Buyer in the bid. Offers with quantity less than Minimum are liable to be rejected. It may however be noted that there is no guarantee that full offer quantity will be ordered by the buyer. Quantity to be ordered by the buyer will depend on various factors including the Ranking of the bidder, Offered quantity, Splitting criteria indicated by the buyer in the bid and the requirement of the buyer to have multiple sources of supply for ensuring supply chain etc. Sellers would be notified about likely order quantity or range of possible order quantity at the time of price match request made by the buyer. Award of contract will be subject to acceptance of price match request along with min / max offer quantity as decided by the Buyer.

7. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

8. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- If number of technically qualified bidders are only 2 or 3.
- If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

मूल्यांकन विधि(मदवार मूल्यांकन विधि) / Evaluation Method (Item Wise Evaluation Method)

Contract will be awarded schedule wise and the determination of L1 will be done separately for each schedule. The details of item-consignee combination covered under each schedule are as under:

मूल्यांकन अनुसूचियां / Evaluation Schedules	अनुमानित मूल्य / Estimated Value	वस्तु/श्रेणी / Item/Category	मात्रा / Quantity
Schedule 1	9800000	Power Transformer, Oil Immersed Type	2

Schedule 2	7905699.2	Power Transformer, Oil Immersed Type	2
Schedule 3	10742737.2	Power Transformer, Oil Immersed Type	2
Schedule 4	56626432.7	Power Transformer, Oil Immersed Type	2

विक्रेता से आवश्यक मदवार न्यूनतम क्षमता / Itemwise Minimum Capacity Required From Seller

S.No.	Schedule Name	Item Category	Item Quantity	Minimum Capacity
1	Schedule 1	Power Transformer, Oil immersed type	2	1
2	Schedule 2	Power Transformer, Oil immersed type	2	1
3	Schedule 3	Power Transformer, Oil immersed type	2	1
4	Schedule 4	Power Transformer, Oil immersed type	2	1

Power Transformer, Oil Immersed Type (2 pieces)

(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)

तकनीकी विशिष्टियाँ / Technical Specifications

[* जेम कैटेगरी विशिष्टि के अनुसार / As per GeM Category Specification](#)

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
RATING	Rated Voltage - HV (in KV)	33
	Rated Voltage - LV (in kV)	11
	Maximum system voltage - HV (in kV)	12, 24, 36, 72.5, 145, 245, 420, 800, 3.6, 7.2
	Maximum system voltage - LV (in kV)	0.25, 0.46, 7.2, 12, 36, 72.5, 145, 245
	Rated power (in MVA)	3.15
	No. of Phase	1, 3, 3 Ph. 2 Winding
GENERIC	Conformity of the specification	IS:2026 (Part 1) : 2011 latest, IS:2026 (Part 1) : 2011 latest and as per Annexure - A attached for Coal India, as per IEC:60076:2011 latest
	Designed for	Outdoor
	Installation, Testing and Demonstration	Yes, No, Yes. Including civil works related to installation and commissioning of transformer
INSULATION LEVEL	Insulation Levels, Dielectric Tests and External Clearances in Air	as per IS: 2026 Part 3: 2009 latest, as per IEC:60076:2011 latest
	Standard rated short duration power-frequency withstand voltage, r.m.s value (in kV)	10, 20, 28, 50, 70, 140, 150, 275 (for 132 KV), 70 (for 33 KV), 38, 95, 250, 450, 550, 650, 750, 850, 950, 1050, 1175, 1300, 1425, 1550, 1675, 1800, 1950, 2100, 230, 275, 325, 395, 460, 510, 570, 630

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Standard rated lightning impulse withstand voltage (in kV, peak)	20, 40, 60, 75, 95, 125, 145, 170, 325, 650 (for 132 KV), 170 (for 33 KV), 250, 450, 550, 650, 750, 850, 950, 1050, 1175, 1300, 1425, 1550, 1675, 1800, 1950, 2100
WINDING	Winding insulation	Class A
	Connection symbol	Dyn 11, Star / Star (YNyn0), Not applicable, HV- Star, Delta LV- star, Delta
	Terminals of all windings	Out of the tank through bushings for external connections, With cable box
	Material of barrier insulation including spacers	High Density Press board
TAP CHANGER	Type of Tap Changer	Off Circuit, On Load, NA
	Winding tapped at	HV, NA, LV
	No. of tapplings (in Nos.)	17, 9, NA, 16 (Excluding normal), 5
	Range of tapplings	+10% to -10% in equal seps of 1.25%, +5% to-15% in equal seps of 1.25%, +5% to-5% in equal seps of 7.5%, NA, Tap range : - 15% to + 5% Rate of steps : 1.25 %of 132kv, (?) 9 % to (+) 3%
CONSTRUCTION	Material of core	CRGO (ColdRolled GrainOriented steel), CRGO silicon alloy steel
	The maximum flux density in any part of the cores and yoke at normal voltage and frequency	< 1.5 Tesla, < 1.7 Tesla, < 1.9 Tesla, < 1.6 Tesla
	Type of cooling	ONAN, ONAN cooling 80% for 16 MVA,, ONAF cooling 100% for 20 MVA, ONAN cooling 80% for 32 MVA,, ONAF cooling 100% for 40 MVA, ONAF, OFAF, OFDF, OFWF
	Transformer filled with oil	Yes, No
	Method of system earthing	LV Winding: Solidly earthed, HV connections : Star with neutral solidly earthed, LV connections : Star with neutral solidly earthed, Neutral of HV,LV solidly earthed
	Type of oil preservation system	Freely breathing type, Conservator type, Diaphragm type, Inert Gas Pressure type, Sealed tank type
	Temperature rise limit - Top oil measured by thermometer	< 40 deg. C, < 45 deg. C, < 50 deg. C
	Temperature rise limit - Winding temperature by resistance	< 45 deg. C, < 55 deg. C
	Percentage of impedance voltage on normal tap and MVA base at 75 deg. C corresponding to HV/ LV rating (in %)	6.25, 7.15, 8.35, 10, 12.5, 13, 14, 15

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	No Load Losses (Fixed Loss) , Maximum (in KW)	3, 4, 4.6, 5.5, 7, 7.5, 16, 25, 9, 10, 12, 14, 18, 30, 35, 45, 60, 70, 75, 90
	Load losses at 75°C, Maximum (in KW)	16, 23, 36, 40, 50, 65, 130, 185, 80, 90, 95, 110, 125, 140, 200, 245, 260, 400, 440, 450, 500
	Minium Creepage Distance (in mm)	HV-900 mm, LV-300 mm, 25 mm per KV, 31 mm per KV, 35 mm per KV
TRANFORMER TANK	Transformer tank construction shall conform in all respect to	Clause 15 of IS 1180(Part1):2014., as per Annexure-A attached for Coal India, Bell shaped, Conventional
	Transformer tank top cover	Detachable with bolted flanged gasket joint, as per Annexure-A attached for Coal India, Bolted, Welded
	The surface of the cover	Suitable sloped, as per Annexure-A attached for Coal India, Flat
	The transformer tank	supported on steel structure, as per Annexure-A attached for Coal India
ADD ON ITEMS	Oil conservator tank (in Nos.)	1, 0
	Buchholz Relay	1, 0
	Oil Temperature Indicator (OTI) (in Nos.)	1, 0, 1 No. For Local & remote winding with contacts
	Winding Temperature indicator (WTI) (in Nos.)	1, 0, 2 Nos. Per phase, 1 No. For Local & remote winding with contacts
	Pressure Relief Device (in Nos.)	1, 0, 2, 3
	Oil Level Indicator (in Nos.)	1, 0
	Silica Gel Breather with Silica Gel (in Nos.)	1, 0, 2, 3
	Drain Valve on transformer tank (in Nos.)	1, 0, 2
	Filter Valve on transformer tank (in Nos.)	1, 2, 0
	Oil sampling valve on transformer tank (in Nos.)	1, 0, 2
	Air release plug (in Nos.)	150 mm dia, 1 No., NA, 15 mm NB 1 no.
	Lifting eyes or lugs for the top cover, core and coils and for the complete transformer	Yes, No
	Tank earthing terminals with associated nuts and bolts for connections to grounding strip	2 sets, 0

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	HV Bushings according to highest system voltage (in Nos.)	2 (Porcelain), 3 (Porcelain), 0, 1 No. Porcelain with metal parts and gaskets
	LV Bushings according to highest system voltage (in Nos.)	2 (Porcelain), 3 (Porcelain), 0, 1 No. Porcelain with metal parts and gaskets
	Terminal arrangement: for HV/LV bushings with arcing horns	Yes, No
	Suitable terminal connector for HV & LV terminal for holding Conductor	Yes. Suitable for Panther type, No
	Bus Bars	Copper at LV side, No
	Cable termination box	1 No. at LV side, No, 1 No. at HV side and 1 No. at LV side
	Arrangement for Auxiliary supply voltage for	For Alarm, For Relays, NA
	Marshalling box with required glands, locks, glass door, terminal Board, heater with switch, illumination lamp with switch etc to accommodate temperature indicators terminal blocks etc	1, 0
	Ingress protection for Marshalling Box	IP 55, IP 54
	Padlocks and locking key arrangements for	Mrashalling box, Valves, NA
	Foundation bolts for wheel locking devices of Transformer	Yes, No
	Bi-metallic terminal connector/ clamp/ washers suitable for fixing to bushing terminals	Yes, No

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Other requirements	Air release plug, 1 No., Rating Plate, NA, 1 No. Neutral Bushing, Metal parts for Bushings, Gaskets for Bushings, Magnetic oil level gauge: 1 No., Magnetic Oil Level Gauge with Low oil level alarm contacts, 1 No. Cooler fan with motor, HV & LV neutral : brought out on separate bushing, 1 No. Dial type thermometer, Thermometer: Maximum reading pointer, Thermometer: adjustable, Thermometer: Potential free contacts for alarm and trip for top oil temperature ., Additional pockets for mercury-in-glass thermometer for measuring oil and winding temperature, Explosion/ relief vent with double diaphragm equalizer connection, Diagram plates, Terminal marking plate, Identification marking plate, Approved Pressure Relief Device for Rapid Release of Pressure, Under carriage with jacking pads, Under carriage with hauling holes / hook, Supervisory alarm for oil temperature indicator, Supervisory trip contacts for oil temperature indicator, Supervisory alarm for gas operated double float relay, Supervisory trip contacts for gas operated double float relay, Supervisory alarm contacts for oil level indicator, Inspection cover, Oil filling hole and cap, Thermometer for Oil Temp Indicator 150mm, Dial Type.
	Agreed for unloading of transformer at site	Yes, No
SPECIAL TEST	Agreed to furnish special test reports as per	Cl.10.1.3 of IS:2026 (Part 1) latest, NA
	Test reports for dielectric special tests	Yes, No
	Test report for determination of capacitances winding to earth, and between windings	Yes, No
	Test report for determination of transient voltage transfer characteristics	Yes, No
	Test reports for measurement of zero sequence impedance (s) on three phase transformers	Yes, No
	Test report for determination of sound levels	Yes, No
	Test report for measurement of harmonics of the no load current	Yes, No, Yes. Including Contact Resistance Test (<2 miliohm)
	Test report for measurement of the power taken by the fan and oil pump motors	Yes, No, Yes. Including Measurement of Impedance voltage at highest rated and lowest voltage taps

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Test report for measurement of insulation resistance to earth of the windings and or measurement of dissipation factor of the insulation system capacitances	Yes, No, Yes. Including Ratio and high voltage magnetisation current test.
CERTIFICATIONS	Agreed for stage inspection as and when required by buyer / consignee	Yes as per buyer requirements, No
	Agreed to furnish Guaranteed Technical Particulars (GTP) and complete drawings of Power Transformer as and when required by buyer / consignee	Yes, No
	Agreed to furnish routine test reports to buyer / consignee on demand	as per Cl.10.1.1 of IS:2026 (Part 1) latest, No, as per Annexure-A attached for Coal India
	Availability of Type test report from Central Government/NABL/ILAC accredited laboratory to prove conformity of the specification	Yes, No, as per Annexure-A attached for Coal India
	Agreed to furnish routine and type test reports for porcelain bushings	Yes, No

Additional Specification Parameters - Power Transformer, Oil Immersed Type (2 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Nominal system voltage	33 kV Primary/ 11kV Secondary
Capacity	3.15 MVA
The transformer shall be	3 phase, 2 winding, core type construction with ONAN cooling arrangement. It shall be suitable for outdoor service. The transformer shall be wheel mounted.
The Transformer shall conform to	IS 2026 (Part-I): 2011 or latest amendment thereof and CBIP specifications except where specified otherwise. Equipment meeting any other authoritative standard, which shall ensure an equal or better standard mentioned above could also be considered.
Specifications	The specifications uploaded in the ATC document as "Technical Parameter Sheet" govern this bid and shall not be as per the specifications mentioned elsewhere in the bid.

* Bidders offering must also comply with the additional specification parameters mentioned above.

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Doredla Tharun Sai	768020,MAHANADI COALFIELDS LIMITED, AT & PO - JAGRUTI VIHAR, BURLA	2	180

Power Transformer, Oil Immersed Type (2 pieces)

(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)

तकनीकी विशिष्टियाँ /Technical Specifications

* जेम कैटेगरी विशिष्टि के अनुसार / As per GeM Category Specification

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
RATING	Rated Voltage - HV (in KV)	33
	Rated Voltage - LV (in kV)	0.23, 0.415, 6.6, 11, 33, 66, 132, 220, 3.3
	Maximum system voltage - HV (in kV)	12, 24, 36, 72.5, 145, 245, 420, 800, 3.6, 7.2
	Maximum system voltage - LV (in kV)	0.25, 0.46, 7.2, 12, 36, 72.5, 145, 245
	Rated power (in MVA)	5
	No. of Phase	1, 3, 3 Ph. 2 Winding
GENERIC	Conformity of the specification	IS:2026 (Part 1) : 2011 latest, IS:2026 (Part 1) : 2011 latest and as per Annexure - A attached for Coal India, as per IEC:60076:2011 latest
	Designed for	Indoor, Outdoor
	Installation, Testing and Demonstration	Yes, No, Yes. Including civil works related to installation and commissioning of transformer
INSULATION LEVEL	Insulation Levels, Dielectric Tests and External Clearances in Air	as per IS: 2026 Part 3: 2009 latest, as per IEC:60076:2011 latest
	Standard rated short duration power-frequency withstand voltage, r.m.s value (in kV)	10, 20, 28, 50, 70, 140, 150, 275 (for 132 KV), 70 (for 33 KV), 38, 95, 250, 450, 550, 650, 750, 850, 950, 1050, 1175, 1300, 1425, 1550, 1675, 1800, 1950, 2100, 230, 275, 325, 395, 460, 510, 570, 630
	Standard rated lightning impulse withstand voltage (in kV, peak)	20, 40, 60, 75, 95, 125, 145, 170, 325, 650 (for 132 KV), 170 (for 33 KV), 250, 450, 550, 650, 750, 850, 950, 1050, 1175, 1300, 1425, 1550, 1675, 1800, 1950, 2100
WINDING	Winding insulation	Class A

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Connection symbol	Dyn 11, Star / Star (YNyn), Not applicable, HV- Star, Delta LV- star, Delta
	Terminals of all windings	Out of the tank through bushings for external connections, With cable box
	Material of barrier insulation including spacers	High Density Press board
TAP CHANGER	Type of Tap Changer	Off Circuit, On Load, NA
	Winding tapped at	HV, NA, LV
	No. of tappings (in Nos.)	17, 9, NA, 16 (Excluding normal), 5
	Range of tappings	+10% to -10% in equal seps of 1.25%, +5% to-15% in equal seps of 1.25%, +5% to-5% in equal seps of 7.5%, NA, Tap range : - 15% to + 5% Rate of steps : 1.25 %of 132kv, (?) 9 % to (+) 3%
CONSTRUCTION	Material of core	CRGO (ColdRolled GrainOriented steel), CRGO silicon alloy steel
	The maximum flux density in any part of the cores and yoke at normal voltage and frequency	< 1.5 Tesla, < 1.7 Tesla, < 1.9 Tesla, < 1.6 Tesla
	Type of cooling	ONAN, ONAN cooling 80% for 16 MVA,, ONAF cooling 100% for 20 MVA, ONAN cooling 80% for 32 MVA,, ONAF cooling 100% for 40 MVA, ONAF, OFAF, OFDF, OFWF
	Transformer filled with oil	Yes, No
	Method of system earthing	LV Winding: Solidly earthed, HV connections : Star with neutral solidly earthed, LV connections : Star with neutral solidly earthed, Neutral of HV,LV solidly earthed
	Type of oil preservation system	Freely breathing type, Conservator type, Diaphragm type, Inert Gas Pressure type, Sealed tank type
	Temperature rise limit - Top oil measured by thermometer	< 40 deg. C, < 45 deg. C, < 50 deg. C
	Temperature rise limit - Winding temperature by resistance	< 45 deg. C, < 55 deg. C
	Percentage of impedance voltage on normal tap and MVA base at 75 deg. C corresponding to HV/ LV rating (in %)	6.25, 7.15, 8.35, 10, 12.5, 13, 14, 15
	No Load Losses (Fixed Loss) , Maximum (in KW)	3, 4, 4.6, 5.5, 7, 7.5, 16, 25, 9, 10, 12, 14, 18, 30, 35, 45, 60, 70, 75, 90
	Load losses at 75°C, Maximum (in KW)	16, 23, 36, 40, 50, 65, 130, 185, 80, 90, 95, 110, 125, 140, 200, 245, 260, 400, 440, 450, 500

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Minium Creppage Distance (in mm)	HV-900 mm, LV-300 mm, 25 mm per KV, 31 mm per KV, 35 mm per KV
TRANFORMER TANK	Transformer tank construction shall conform in all respect to	Clause 15 of IS 1180(Part1):2014., as per Annexure-A attached for Coal India, Bell shaped, Conventional
	Transformer tank top cover	Detachable with bolted flanged gasket joint, as per Annexure-A attached for Coal India, Bolted, Welded
	The surface of the cover	Suitable sloped, as per Annexure-A attached for Coal India, Flat
	The transformer tank	supported on steel structure, as per Annexure-A attached for Coal India
ADD ON ITEMS	Oil conservator tank (in Nos.)	1, 0
	Buchholz Relay	1, 0
	Oil Temperature Indicator (OTI) (in Nos.)	1, 0, 1 No. For Local & remote winding with contacts
	Winding Temperature indicator (WTI) (in Nos.)	1, 0, 2 Nos. Per phase, 1 No. For Local & remote winding with contacts
	Pressure Relief Device (in Nos.)	1, 0, 2, 3
	Oil Level Indicator (in Nos.)	1, 0
	Silica Gel Breather with Silica Gel (in Nos.)	1, 0, 2, 3
	Drain Valve on transformer tank (in Nos.)	1, 0, 2
	Filter Valve on transformer tank (in Nos.)	1, 2, 0
	Oil sampling valve on transformer tank (in Nos.)	1, 0, 2
	Air release plug (in Nos.)	150 mm dia, 1 No., NA, 15 mm NB 1 no.
	Lifting eyes or lugs for the top cover, core and coils and for the complete transformer	Yes, No
	Tank earthing terminals with associated nuts and bolts for connections to grounding strip	2 sets, 0
	HV Bushings according to highest system voltage (in Nos.)	2 (Porcelain), 3 (Porcelain), 0, 1 No. Porcelain with metal parts and gaskets
	LV Bushings according to highest system voltage (in Nos.)	2 (Porcelain), 3 (Porcelain), 0, 1 No. Porcelain with metal parts and gaskets

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Terminal arrangement: for HV/LV bushings with arcing horns	Yes, No
	Suitable terminal connector for HV & LV terminal for holding Conductor	Yes. Suitable for Panther type, No
	Bus Bars	Copper at LV side, No
	Cable termination box	1 No. at LV side, No, 1 No. at HV side and 1 No. at LV side
	Arrangement for Auxiliary supply voltage for	For Alarm, For Relays, NA
	Marshalling box with required glands, locks, glass door, terminal Board, heater with switch, illumination lamp with switch etc to accommodate temperature indicators terminal blocks etc	1, 0
	Ingress protection for Marshalling Box	IP 55, IP 54
	Padlocks and locking key arrangements for	Mrashalling box, Valves, NA
	Foundation bolts for wheel locking devices of Transformer	Yes, No
	Bi-metallic terminal connector/ clamp/ washers suitable for fixing to bushing terminals	Yes, No

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Other requirements	Air release plug, 1 No., Rating Plate, NA, 1 No. Neutral Bushing, Metal parts for Bushings, Gaskets for Bushings, Magnetic oil level gauge: 1 No., Magnetic Oil Level Gauge with Low oil level alarm contacts, 1 No. Cooler fan with motor, HV & LV neutral : brought out on separate bushing, 1 No. Dial type thermometer, Thermometer: Maximum reading pointer, Thermometer: adjustable, Thermometer: Potential free contacts for alarm and trip for top oil temperature ., Additional pockets for mercury-in-glass thermometer for measuring oil and winding temperature, Explosion/ relief vent with double diaphragm equalizer connection, Diagram plates, Terminal marking plate, Identification marking plate, Approved Pressure Relief Device for Rapid Release of Pressure, Under carriage with jacking pads, Under carriage with hauling holes / hook, Supervisory alarm for oil temperature indicator, Supervisory trip contacts for oil temperature indicator, Supervisory alarm for gas operated double float relay, Supervisory trip contacts for gas operated double float relay, Supervisory alarm contacts for oil level indicator, Inspection cover, Oil filling hole and cap, Thermometer for Oil Temp Indicator 150mm, Dial Type.
	Agreed for unloading of transformer at site	Yes, No
SPECIAL TEST	Agreed to furnish special test reports as per	Cl.10.1.3 of IS:2026 (Part 1) latest, NA
	Test reports for dielectric special tests	Yes, No
	Test report for determination of capacitances winding to earth, and between windings	Yes, No
	Test report for determination of transient voltage transfer characteristics	Yes, No
	Test reports for measurement of zero sequence impedance (s) on three phase transformers	Yes, No
	Test report for determination of sound levels	Yes, No
	Test report for measurement of harmonics of the no load current	Yes, No, Yes. Including Contact Resistance Test (<2 miliohm)
	Test report for measurement of the power taken by the fan and oil pump motors	Yes, No, Yes. Including Measurement of Impedance voltage at highest rated and lowest voltage taps

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Test report for measurement of insulation resistance to earth of the windings and or measurement of dissipation factor of the insulation system capacitances	Yes, No, Yes. Including Ratio and high voltage magnetisation current test.
CERTIFICATIONS	Agreed for stage inspection as and when required by buyer / consinee	Yes as per buyer requirements, No
	Agreed to furnish Guaranteed Technical Particulars (GTP) and complete drawings of Power Transformer as and when required by buyer / consignee	Yes, No
	Agreed to furnish routine test reports to buyer / consinee on demand	as per Cl.10.1.1 of IS:2026 (Part 1) latest, No, as per Annexure-A attached for Coal India
	Availability of Type test report from Central Government/NABL/ILAC accredited laboratory to prove conformity of the specification	Yes, No, as per Annexure-A attached for Coal India
	Agreed to furnish routine and type test reports for porcelain bushings	Yes, No

Additional Specification Parameters - Power Transformer, Oil Immersed Type (2 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Nominal system voltage	33 kV Primary/ 6.6kV Secondary
Capacity	5 MVA
The transformer shall be	3 phase, 2 winding, core type construction with ONAN cooling arrangement. It shall be suitable for outdoor service. The transformer shall be wheel mounted.
The Transformer shall conform to	IS 2026 (Part-I): 2011 or latest amendment thereof and CBIP specifications except where specified otherwise. Equipment meeting any other authoritative standard, which shall ensure an equal or better standard mentioned above could also be considered.
Specifications	The specifications uploaded in the ATC document as "Technical Parameter Sheet" govern this bid and shall not be as per the specifications mentioned elsewhere in the bid.

* Bidders offering must also comply with the additional specification parameters mentioned above.

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Debasish Kujur	759102,LINGARAJ AREA, MAHANADI COALFIELDS LIMITED, AT/PO: Deulbera Colliery	1	180
2	SHYAM SUNDAR PRADHAN	759116,Office of the Depot Officer, Central/Regional Stores, Jagannath /Area, P.O. Balanda	1	180

Power Transformer, Oil Immersed Type (2 pieces)

(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)

तकनीकी विशिष्टियाँ /Technical Specifications

* जेम केटेगरी विशिष्टि के अनुसार / As per GeM Category Specification

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
RATING	Rated Voltage - HV (in KV)	33
	Rated Voltage - LV (in kV)	11
	Maximum system voltage - HV (in kV)	12, 24, 36, 72.5, 145, 245, 420, 800, 3.6, 7.2
	Maximum system voltage - LV (in kV)	0.25, 0.46, 7.2, 12, 36, 72.5, 145, 245
	Rated power (in MVA)	5, 6.3, 8, 10, 12.5, 16, 20, 32, 40, 6.5, 30, 30.4, 33.3, 42, 50, 63, 66.7, 80, 100, 150, 160, 166.7, 200, 250, 315, 500, 1, 3.15
	No. of Phase	1, 3, 3 Ph. 2 Winding
GENERIC	Conformity of the specification	IS:2026 (Part 1) : 2011 latest, IS:2026 (Part 1) : 2011 latest and as per Annexure - A attached for Coal India, as per IEC:60076:2011 latest
	Designed for	Indoor, Outdoor
	Installation, Testing and Demonstration	Yes, No, Yes. Including civil works related to installation and commissioning of transformer
INSULATION LEVEL	Insulation Levels, Dielectric Tests and External Clearances in Air	as per IS: 2026 Part 3: 2009 latest, as per IEC:60076:2011 latest
	Standard rated short duration power-frequency withstand voltage, r.m.s value (in kV)	10, 20, 28, 50, 70, 140, 150, 275 (for 132 KV), 70 (for 33 KV), 38, 95, 250, 450, 550, 650, 750, 850, 950, 1050, 1175, 1300, 1425, 1550, 1675, 1800, 1950, 2100, 230, 275, 325, 395, 460, 510, 570, 630

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Standard rated lightning impulse withstand voltage (in kV, peak)	20, 40, 60, 75, 95, 125, 145, 170, 325, 650 (for 132 KV), 170 (for 33 KV), 250, 450, 550, 650, 750, 850, 950, 1050, 1175, 1300, 1425, 1550, 1675, 1800, 1950, 2100
WINDING	Winding insulation	Class A
	Connection symbol	Dyn 11, Star / Star (YNyn0), Not applicable, HV- Star, Delta LV- star, Delta
	Terminals of all windings	Out of the tank through bushings for external connections, With cable box
	Material of barrier insulation including spacers	High Density Press board
TAP CHANGER	Type of Tap Changer	Off Circuit, On Load, NA
	Winding tapped at	HV, NA, LV
	No. of tappings (in Nos.)	17, 9, NA, 16 (Excluding normal), 5
	Range of tappings	+10% to -10% in equal seps of 1.25%, +5% to-15% in equal seps of 1.25%, +5% to-5% in equal seps of 7.5%, NA, Tap range : - 15% to + 5% Rate of steps : 1.25 %of 132kv, (?) 9 % to (+) 3%
CONSTRUCTION	Material of core	CRGO (ColdRolled GrainOriented steel), CRGO silicon alloy steel
	The maximum flux density in any part of the cores and yoke at normal voltage and frequency	< 1.5 Tesla, < 1.7 Tesla, < 1.9 Tesla, < 1.6 Tesla
	Type of cooling	ONAN, ONAN cooling 80% for 16 MVA,, ONAF cooling 100% for 20 MVA, ONAN cooling 80% for 32 MVA,, ONAF cooling 100% for 40 MVA, ONAF, OFAF, OFDF, OFWF
	Transformer filled with oil	Yes, No
	Method of system earthing	LV Winding: Solidly earthed, HV connections : Star with neutral solidly earthed, LV connections : Star with neutral solidly earthed, Neutral of HV,LV solidly earthed
	Type of oil preservation system	Freely breathing type, Conservator type, Diaphragm type, Inert Gas Pressure type, Sealed tank type
	Temperature rise limit - Top oil measured by thermometer	< 40 deg. C, < 45 deg. C, < 50 deg. C
	Temperature rise limit - Winding temperature by resistance	< 45 deg. C, < 55 deg. C
	Percentage of impedance voltage on normal tap and MVA base at 75 deg. C corresponding to HV/ LV rating (in %)	6.25, 7.15, 8.35, 10, 12.5, 13, 14, 15

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	No Load Losses (Fixed Loss) , Maximum (in KW)	3, 4, 4.6, 5.5, 7, 7.5, 16, 25, 9, 10, 12, 14, 18, 30, 35, 45, 60, 70, 75, 90
	Load losses at 75°C, Maximum (in KW)	16, 23, 36, 40, 50, 65, 130, 185, 80, 90, 95, 110, 125, 140, 200, 245, 260, 400, 440, 450, 500
	Minium Creepage Distance (in mm)	HV-900 mm, LV-300 mm, 25 mm per KV, 31 mm per KV, 35 mm per KV
TRANFORMER TANK	Transformer tank construction shall conform in all respect to	Clause 15 of IS 1180(Part1):2014., as per Annexure-A attached for Coal India, Bell shaped, Conventional
	Transformer tank top cover	Detachable with bolted flanged gasket joint, as per Annexure-A attached for Coal India, Bolted, Welded
	The surface of the cover	Suitable sloped, as per Annexure-A attached for Coal India, Flat
	The transformer tank	supported on steel structure, as per Annexure-A attached for Coal India
ADD ON ITEMS	Oil conservator tank (in Nos.)	1, 0
	Buchholz Relay	1, 0
	Oil Temperature Indicator (OTI) (in Nos.)	1, 0, 1 No. For Local & remote winding with contacts
	Winding Temperature indicator (WTI) (in Nos.)	1, 0, 2 Nos. Per phase, 1 No. For Local & remote winding with contacts
	Pressure Relief Device (in Nos.)	1, 0, 2, 3
	Oil Level Indicator (in Nos.)	1, 0
	Silica Gel Breather with Silica Gel (in Nos.)	1, 0, 2, 3
	Drain Valve on transformer tank (in Nos.)	1, 0, 2
	Filter Valve on transformer tank (in Nos.)	1, 2, 0
	Oil sampling valve on transformer tank (in Nos.)	1, 0, 2
	Air release plug (in Nos.)	150 mm dia, 1 No., NA, 15 mm NB 1 no.
	Lifting eyes or lugs for the top cover, core and coils and for the complete transformer	Yes, No
	Tank earthing terminals with associated nuts and bolts for connections to grounding strip	2 sets, 0

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	HV Bushings according to highest system voltage (in Nos.)	2 (Porcelain), 3 (Porcelain), 0, 1 No. Porcelain with metal parts and gaskets
	LV Bushings according to highest system voltage (in Nos.)	2 (Porcelain), 3 (Porcelain), 0, 1 No. Porcelain with metal parts and gaskets
	Terminal arrangement: for HV/LV bushings with arcing horns	Yes, No
	Suitable terminal connector for HV & LV terminal for holding Conductor	Yes. Suitable for Panther type, No
	Bus Bars	Copper at LV side, No
	Cable termination box	1 No. at LV side, No, 1 No. at HV side and 1 No. at LV side
	Arrangement for Auxiliary supply voltage for	For Alarm, For Relays, NA
	Marshalling box with required glands, locks, glass door, terminal Board, heater with switch, illumination lamp with switch etc to accommodate temperature indicators terminal blocks etc	1, 0
	Ingress protection for Marshalling Box	IP 55, IP 54
	Padlocks and locking key arrangements for	Mrashalling box, Valves, NA
	Foundation bolts for wheel locking devices of Transformer	Yes, No
	Bi-metallic terminal connector/ clamp/ washers suitable for fixing to bushing terminals	Yes, No

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Other requirements	Air release plug, 1 No., Rating Plate, NA, 1 No. Neutral Bushing, Metal parts for Bushings, Gaskets for Bushings, Magnetic oil level gauge: 1 No., Magnetic Oil Level Gauge with Low oil level alarm contacts, 1 No. Cooler fan with motor, HV & LV neutral : brought out on separate bushing, 1 No. Dial type thermometer, Thermometer: Maximum reading pointer, Thermometer: adjustable, Thermometer: Potential free contacts for alarm and trip for top oil temperature ., Additional pockets for mercury-in-glass thermometer for measuring oil and winding temperature, Explosion/ relief vent with double diaphragm equalizer connection, Diagram plates, Terminal marking plate, Identification marking plate, Approved Pressure Relief Device for Rapid Release of Pressure, Under carriage with jacking pads, Under carriage with hauling holes / hook, Supervisory alarm for oil temperature indicator, Supervisory trip contacts for oil temperature indicator, Supervisory alarm for gas operated double float relay, Supervisory trip contacts for gas operated double float relay, Supervisory alarm contacts for oil level indicator, Inspection cover, Oil filling hole and cap, Thermometer for Oil Temp Indicator 150mm, Dial Type.
	Agreed for unloading of transformer at site	Yes, No
SPECIAL TEST	Agreed to furnish special test reports as per	Cl.10.1.3 of IS:2026 (Part 1) latest, NA
	Test reports for dielectric special tests	Yes, No
	Test report for determination of capacitances winding to earth, and between windings	Yes, No
	Test report for determination of transient voltage transfer characteristics	Yes, No
	Test reports for measurement of zero sequence impedance (s) on three phase transformers	Yes, No
	Test report for determination of sound levels	Yes, No
	Test report for measurement of harmonics of the no load current	Yes, No, Yes. Including Contact Resistance Test (<2 miliohm)
	Test report for measurement of the power taken by the fan and oil pump motors	Yes, No, Yes. Including Measurement of Impedance voltage at highest rated and lowest voltage taps

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Test report for measurement of insulation resistance to earth of the windings and or measurement of dissipation factor of the insulation system capacitances	Yes, No, Yes. Including Ratio and high voltage magnetisation current test.
CERTIFICATIONS	Agreed for stage inspection as and when required by buyer / consinee	Yes as per buyer requirements, No
	Agreed to furnish Guaranteed Technical Particulars (GTP) and complete drawings of Power Transformer as and when required by buyer / consignee	Yes, No
	Agreed to furnish routine test reports to buyer / consinee on demand	as per Cl.10.1.1 of IS:2026 (Part 1) latest, No, as per Annexure-A attached for Coal India
	Availability of Type test report from Central Government/NABL/ILAC accredited laboratory to prove conformity of the specification	Yes, No, as per Annexure-A attached for Coal India
	Agreed to furnish routine and type test reports for porcelain bushings	Yes, No

Additional Specification Parameters - Power Transformer, Oil Immersed Type (2 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Nominal system voltage	33 kV Primary/ 11kV Secondary
Capacity	7.5 MVA
The transformer shall be	3 phase, 2 winding, core type construction with ONAN cooling arrangement. It shall be suitable for outdoor service. The transformer shall be wheel mounted.
The Transformer shall conform to	IS 2026 (Part-I): 2011 or latest amendment thereof and CBIP specifications except where specified otherwise. Equipment meeting any other authoritative standard, which shall ensure an equal or better standard mentioned above could also be considered.
Specifications	The specifications uploaded in the ATC document as "Technical Parameter Sheet" govern this bid and shall not be as per the specifications mentioned elsewhere in the bid.

* Bidders offering must also comply with the additional specification parameters mentioned above.

प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Aravind Vikram Kavadian	768216,Mahanadi Coalfields Limited GM Office Orient Area Brajrannagar	2	180

Power Transformer, Oil Immersed Type (2 pieces)

(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)

तकनीकी विशिष्टियाँ /Technical Specifications

* जेम कैटेगरी विशिष्टि के अनुसार / As per GeM Category Specification

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
RATING	Rated Voltage - HV (in KV)	11, 22, 33, 66, 132, 220, 400, 765, 3.3, 6.6
	Rated Voltage - LV (in kV)	0.23, 0.415, 6.6, 11, 33, 66, 132, 220, 3.3
	Maximum system voltage - HV (in kV)	12, 24, 36, 72.5, 145, 245, 420, 800, 3.6, 7.2
	Maximum system voltage - LV (in kV)	0.25, 0.46, 7.2, 12, 36, 72.5, 145, 245
	Rated power (in MVA)	20, 5, 6.3, 8, 10, 12.5, 16, 32, 40, 6.5, 30, 30.4, 33.3, 42, 50, 63, 66.7, 80, 100, 150, 160, 166.7, 200, 250, 315, 500, 1, 3.15
	No. of Phase	1, 3, 3 Ph. 2 Winding
GENERIC	Conformity of the specification	IS:2026 (Part 1) : 2011 latest, IS:2026 (Part 1) : 2011 latest and as per Annexure - A attached for Coal India, as per IEC:60076:2011 latest
	Designed for	Indoor, Outdoor
	Installation, Testing and Demonstration	Yes, No, Yes. Including civil works related to installation and commissioning of transformer
INSULATION LEVEL	Insulation Levels, Dielectric Tests and External Clearances in Air	as per IS: 2026 Part 3: 2009 latest, as per IEC:60076:2011 latest
	Standard rated short duration power-frequency withstand voltage, r.m.s value (in kV)	10, 20, 28, 50, 70, 140, 150, 275 (for 132 KV), 70 (for 33 KV), 38, 95, 250, 450, 550, 650, 750, 850, 950, 1050, 1175, 1300, 1425, 1550, 1675, 1800, 1950, 2100, 230, 275, 325, 395, 460, 510, 570, 630
	Standard rated lightning impulse withstand voltage (in kV, peak)	20, 40, 60, 75, 95, 125, 145, 170, 325, 650 (for 132 KV), 170 (for 33 KV), 250, 450, 550, 650, 750, 850, 950, 1050, 1175, 1300, 1425, 1550, 1675, 1800, 1950, 2100

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
WINDING	Winding insulation	Class A
	Connection symbol	Dyn 11, Star / Star (YNyn0), Not applicable, HV- Star, Delta LV- star, Delta
	Terminals of all windings	Out of the tank through bushings for external connections, With cable box
	Material of barrier insulation including spacers	High Density Press board
TAP CHANGER	Type of Tap Changer	Off Circuit, On Load, NA
	Winding tapped at	HV, NA, LV
	No. of tappings (in Nos.)	17, 9, NA, 16 (Excluding normal), 5
	Range of tappings	+10% to -10% in equal seps of 1.25%, +5% to-15% in equal seps of 1.25%, +5% to-5% in equal seps of 7.5%, NA, Tap range : - 15% to + 5% Rate of steps : 1.25 %of 132kv, (?) 9 % to (+) 3%
CONSTRUCTION	Material of core	CRGO (ColdRolled GrainOriented steel), CRGO silicon alloy steel
	The maximum flux density in any part of the cores and yoke at normal voltage and frequency	< 1.5 Tesla, < 1.7 Tesla, < 1.9 Tesla, < 1.6 Tesla
	Type of cooling	ONAN, ONAN cooling 80% for 16 MVA,, ONAF cooling 100% for 20 MVA, ONAN cooling 80% for 32 MVA,, ONAF cooling 100% for 40 MVA, ONAF, OFAF, OFDF, OFWF
	Transformer filled with oil	Yes, No
	Method of system earthing	LV Winding: Solidly earthed, HV connections : Star with neutral solidly earthed, LV connections : Star with neutral solidly earthed, Neutral of HV,LV solidly earthed
	Type of oil preservation system	Freely breathing type, Conservator type, Diaphragm type, Inert Gas Pressure type, Sealed tank type
	Temperature rise limit - Top oil measured by thermometer	< 40 deg. C, < 45 deg. C, < 50 deg. C
	Temperature rise limit - Winding temperature by resistance	< 45 deg. C, < 55 deg. C
	Percentage of impedance voltage on normal tap and MVA base at 75 deg. C corresponding to HV/ LV rating (in %)	6.25, 7.15, 8.35, 10, 12.5, 13, 14, 15
	No Load Losses (Fixed Loss) , Maximum (in KW)	3, 4, 4.6, 5.5, 7, 7.5, 16, 25, 9, 10, 12, 14, 18, 30, 35, 45, 60, 70, 75, 90
	Load losses at 75°C, Maximum (in KW)	16, 23, 36, 40, 50, 65, 130, 185, 80, 90, 95, 110, 125, 140, 200, 245, 260, 400, 440, 450, 500

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Minium Creepage Distance (in mm)	HV-900 mm, LV-300 mm, 25 mm per KV, 31 mm per KV, 35 mm per KV
TRANFORMER TANK	Transformer tank construction shall conform in all respect to	Clause 15 of IS 1180(Part1):2014., as per Annexure-A attached for Coal India, Bell shaped, Conventional
	Transformer tank top cover	Detachable with bolted flanged gasket joint, as per Annexure-A attached for Coal India, Bolted, Welded
	The surface of the cover	Suitable sloped, as per Annexure-A attached for Coal India, Flat
	The transformer tank	supported on steel structure, as per Annexure-A attached for Coal India
ADD ON ITEMS	Oil conservator tank (in Nos.)	1, 0
	Buchholz Relay	1, 0
	Oil Temperature Indicator (OTI) (in Nos.)	1, 0, 1 No. For Local & remote winding with contacts
	Winding Temperature indicator (WTI) (in Nos.)	1, 0, 2 Nos. Per phase, 1 No. For Local & remote winding with contacts
	Pressure Relief Device (in Nos.)	1, 0, 2, 3
	Oil Level Indicator (in Nos.)	1, 0
	Silica Gel Breather with Silica Gel (in Nos.)	1, 0, 2, 3
	Drain Valve on transformer tank (in Nos.)	1, 0, 2
	Filter Valve on transformer tank (in Nos.)	1, 2, 0
	Oil sampling valve on transformer tank (in Nos.)	1, 0, 2
	Air release plug (in Nos.)	150 mm dia, 1 No., NA, 15 mm NB 1 no.
	Lifting eyes or lugs for the top cover, core and coils and for the complete transformer	Yes, No
	Tank earthing terminals with associated nuts and bolts for connections to grounding strip	2 sets, 0
	HV Bushings according to highest system voltage (in Nos.)	2 (Porcelain), 3 (Porcelain), 0, 1 No. Porcelain with metal parts and gaskets
	LV Bushings according to highest system voltage (in Nos.)	2 (Porcelain), 3 (Porcelain), 0, 1 No. Porcelain with metal parts and gaskets

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Terminal arrangement: for HV/LV bushings with arcing horns	Yes, No
	Suitable terminal connector for HV & LV terminal for holding Conductor	Yes. Suitable for Panther type, No
	Bus Bars	Copper at LV side, No
	Cable termination box	1 No. at LV side, No, 1 No. at HV side and 1 No. at LV side
	Arrangement for Auxiliary supply voltage for	For Alarm, For Relays, NA
	Marshalling box with required glands, locks, glass door, terminal Board, heater with switch, illumination lamp with switch etc to accommodate temperature indicators terminal blocks etc	1, 0
	Ingress protection for Marshalling Box	IP 55, IP 54
	Padlocks and locking key arrangements for	Mrashalling box, Valves, NA
	Foundation bolts for wheel locking devices of Transformer	Yes, No
	Bi-metallic terminal connector/ clamp/ washers suitable for fixing to bushing terminals	Yes, No

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Other requirements	Air release plug, 1 No., Rating Plate, NA, 1 No. Neutral Bushing, Metal parts for Bushings, Gaskets for Bushings, Magnetic oil level gauge: 1 No., Magnetic Oil Level Gauge with Low oil level alarm contacts, 1 No. Cooler fan with motor, HV & LV neutral : brought out on separate bushing, 1 No. Dial type thermometer, Thermometer: Maximum reading pointer, Thermometer: adjustable, Thermometer: Potential free contacts for alarm and trip for top oil temperature ., Additional pockets for mercury-in-glass thermometer for measuring oil and winding temperature, Explosion/ relief vent with double diaphragm equalizer connection, Diagram plates, Terminal marking plate, Identification marking plate, Approved Pressure Relief Device for Rapid Release of Pressure, Under carriage with jacking pads, Under carriage with hauling holes / hook, Supervisory alarm for oil temperature indicator, Supervisory trip contacts for oil temperature indicator, Supervisory alarm for gas operated double float relay, Supervisory trip contacts for gas operated double float relay, Supervisory alarm contacts for oil level indicator, Inspection cover, Oil filling hole and cap, Thermometer for Oil Temp Indicator 150mm, Dial Type.
	Agreed for unloading of transformer at site	Yes, No
SPECIAL TEST	Agreed to furnish special test reports as per	Cl.10.1.3 of IS:2026 (Part 1) latest, NA
	Test reports for dielectric special tests	Yes, No
	Test report for determination of capacitances winding to earth, and between windings	Yes, No
	Test report for determination of transient voltage transfer characteristics	Yes, No
	Test reports for measurement of zero sequence impedance (s) on three phase transformers	Yes, No
	Test report for determination of sound levels	Yes, No
	Test report for measurement of harmonics of the no load current	Yes, No, Yes. Including Contact Resistance Test (<2 miliohm)
	Test report for measurement of the power taken by the fan and oil pump motors	Yes, No, Yes. Including Measurement of Impedance voltage at highest rated and lowest voltage taps

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Test report for measurement of insulation resistance to earth of the windings and or measurement of dissipation factor of the insulation system capacitances	Yes, No, Yes. Including Ratio and high voltage magnetisation current test.
CERTIFICATIONS	Agreed for stage inspection as and when required by buyer / consignee	Yes as per buyer requirements, No
	Agreed to furnish Guaranteed Technical Particulars (GTP) and complete drawings of Power Transformer as and when required by buyer / consignee	Yes, No
	Agreed to furnish routine test reports to buyer / consignee on demand	as per Cl.10.1.1 of IS:2026 (Part 1) latest, No, as per Annexure-A attached for Coal India
	Availability of Type test report from Central Government/NABL/ILAC accredited laboratory to prove conformity of the specification	Yes, No, as per Annexure-A attached for Coal India
	Agreed to furnish routine and type test reports for porcelain bushings	Yes, No

Additional Specification Parameters - Power Transformer, Oil Immersed Type (2 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Nominal system voltage	132 KV Primary / 33 KV Secondary
Capacity	16 MVA (ONAN) / 20 MVA (ONAF)
The transformer shall be	3 phase, 2 winding, core type construction with ONAN & ONAF cooling arrangement. It shall be suitable for outdoor service. The transformer shall be on wheel mounted on rails.
The Transformer shall conform to	IS 2026 (Part-I): 2011 or latest amendment thereof and CBIP specifications except where specified otherwise. Equipment meeting any other authoritative standard, which shall ensure an equal or better standard mentioned above could also be considered.
Specifications	The specifications uploaded in the ATC document as "Technical Parameter Sheet" govern this bid and shall not be as per the specifications mentioned elsewhere in the bid.

* Bidders offering must also comply with the additional specification parameters mentioned above.

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Mithilesh Sahu	768211,Office of the Chief General Manager, Mahanadi Coalfields Limited, Lakhanpur Area, At/PO Bandhbahal, Via, Belpahar	2	270

क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions

1. Certificates

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

2. Generic

Buyer Organization specific Integrity Pact shall have to be complied by all bidders. Bidders shall have to upload scanned copy of signed integrity pact as per Buyer organizations policy along with bid. [Click here to view the file](#)

3. Generic

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- The Seller fails to comply with any material term of the Contract.
- The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- The Seller becomes bankrupt or goes into liquidation.
- The Seller makes a general assignment for the benefit of creditors.
- A receiver is appointed for any substantial property owned by the Seller.
- The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

4. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

(i) The bidders are requested to go through the Buyer Uploaded ATC Document for documents submission details.

(ii) The Beneficiary Branch for the BG submitted against EMD/SD/PBG preferably be the Bank Branch provided in the Buyer Uploaded ATC Document.

(iii) The bid governed by the GeM GTC, Buyer added bid specific ATC, CIL Purchase Manual 2020, and related laws, regulations.

5. Buyer Added Bid Specific ATC

Buyer uploaded ATC document [Click here to view the file.](#)

अस्वीकरण/Disclaimer

The Additional Terms and Conditions (ATC) have been incorporated by the Buyer after approval of their Competent Authority. The Buyer, is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any restriction arising in the bidding process due to these ATCs and including the modification of technical specifications and / or terms and conditions governing the bid. All representations / grievances pertaining to the ATC clauses shall be raised with the buyer organization directly and not with GeM. If any of the clause(s) is/are incorporated by the Buyer regarding the following, the bid & resultant contract shall be treated as null & void. Further, GeM reserves the right, at its sole discretion, to cancel the bid forthwith, without issuance of any prior notice or intimation :-

1. Publishing Custom / BOQ bids for items for which regular GeM categories are available (unless such Custom / BOQ item is bunched with the major regular product Category Item).
2. Mandating procurement of / from specific Brand / Make / Model / Manufacturer / Dealer except in case of Single Bid / Proprietary Article Certificate (PAC) Buying.
3. Inclusion of disqualification criteria related to suspension of seller / service provider, where such suspension period has already expired.
4. Mandating submission of documents (other than EMD and signed Integrity Pact - which can be submitted within 5 days of bid opening) in physical form as a pre-requisite to qualify bidders.
5. Publishing bids on GeM for procurement of works.
6. Procurement of Goods by creating a Service bid on GeM & vice-versa.
7. Seeking sample with bid or approval of samples during bid evaluation process. However, trial / sample, as the case may be, shall be permitted in cases where trial / sample are allowed as per approved and published procurement policy of the Buyers' controlling Ministry / Department / State / Public Sector Enterprises Headquarters. If there is any violation of trial / sample clause with regard to approved policy of the Buyers' Ministry / Department / State / Public Sector Enterprises Headquarters, then this is to be determined and redressed by the concerned Buyer Organisation only.
8. Seeking experience from specific organization / department / institute only or from foreign / export experience.
9. Creating bid for items from incorrect categories.
10. Reference of conditions published on any external site or reference to external documents/clauses.
11. Asking for any Tender fee / Bid Participation fee, as the case may be.
12. Buyer added ATC Clauses which are in contravention of clauses defined in bid detail section, including specifications, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by the applicable GeM GTC.
13. Any ATC clause in contravention with GeM GTC Clause 4 (xiii) (h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
14. In a category based bid, adding additional items, through buyer added, additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogues or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

This Bid is governed by the General Terms and Conditions, conditions stipulated in Bid and Service Level Agreement specific to the Service, as the case may be, as provided in the Marketplace.

However, in case of Service, if any condition specified in General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement specific to said Service, then it will over-ride the conditions in the General Terms and Conditions.

[यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions](#)

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्यवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---धन्यवाद/Thank You---