

(Under jurisdiction of Nagpur court only)

**WESTERN COALFIELDS LIMITED**

(A subsidiary of Coal India Limited & A Government of India Enterprise)



Office of the General Manager(MM)  
Materials Management Department,  
Coal Estate, Civil Lines  
Nagpur 440 001

Ph. PBX : 0712 - 251 1381,  
2510691 Ext 5824  
Fax : 0712 - 25 10284  
Website : westerncoal.nic.in

**Supply order**

Ref no: 21100116618185

date: 08.02.2019

To  
Electrocreators Networking & Solutions,  
502, Gomati Apartment, Law College Sq.,  
W.H.C. Road, Dharampeth  
Nagpur 440010  
Email – arunmittal@electrocreators.com  
Mob – 9422101241  
Fax - 0712 6617941

**By regd post with A/D**

Vendor Code:116161

Vendor Category : MSE

Sub: Supply, installation and commissioning of Digital VHF handheld Transreceiver (Walkie Talkie) Sets and Repeaters along with all accessories and five years CAMC.

Ref:-

1. This office Tender no. hq-pur-ra-kdp-e-045-2018-19 opened on 06.09.2018  
Tender ID - 2018\_WCL\_111542\_1
2. Your Offer dated 31.08.2018 vide Bid ID – 324862 and subsequent correspondences in e-procurement portal

Dear Sir,

With reference to above, we are pleased to place supply order on you for Supply, installation and commissioning of Digital VHF handheld Transreceiver (Walkie Talkie) Sets and Repeaters along with all accessories and five years CAMC, at prices, terms, conditions as per annexures enclosed & general terms and conditions enclosed:

**SCOPE OF SUPPLY & PRICES:**

(1 set - Supply, installation and commissioning of Digital VHF handheld Transreceiver (Walkie Talkie) Sets and Repeaters along with all accessories consisting of the following items followed by comprehensive AMC for five years as detailed under:)

Sl no:	Description	Quantity	Basic rate Per set (Rs)	Extended basic rate (Rs)
1	Walkie Talkie Sets along with batteries, Leather cover, Rapid Charger along with all other accessories as per detailed technical specification in Annexure I Make / Model – Motorola XIRP6600I Item code - 94994580012	728 no:s	13,989.00	1,01,83,992.00
2	Repeater units with SMF battery, Antenna, RF Cable alongwith all other accessories as per detailed technical specification in Annexure I Make / Model – Motorola SLR 5300 Item code - 94994580253	30 no:s	1,69,882.00	50,96,460.00
3	Radio Phone patch unit as per detailed technical specification in Annexure I	30 no:s	35,168.00	10,55,040.00

Handwritten signature and date: 8/2/19

Handwritten signature and date: 08/02/19



	Item code - 94994580265			
4	Additional 2150 mAH Li Ion Battery as per detailed technical specification in Annexure I Model - PMNN4409BR Impress Item code - 94994570023	728 no:s	4,250.00	30,94,000.00
5	Installation and Commissioning charges for the complete system for all allocated locations	LS	3,00,000.00	3,00,000.00
6	COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT CHARGES for 1st year after completion of Guarantee / Warranty Period for the complete system for all allocated locations	LS	3,80,000.00	3,80,000.00
7	COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT CHARGES for 2nd year after completion of Guarantee / Warranty Period for the complete system for all allocated locations	LS	5,54,000.00	5,54,000.00
8	COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT CHARGES for 3rd year after completion of Guarantee / Warranty Period for the complete system for all allocated locations	LS	7,60,000.00	7,60,000.00
9	COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT CHARGES for 4th year after completion of Guarantee / Warranty Period for the complete system for all allocated locations	LS	10,00,000.00	10,00,000.00
10	COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT CHARGES for 5th year after completion of Guarantee / Warranty Period for the complete system for all allocated locations	LS	19,35,000.00	19,35,000.00
	Total			2,43,58,492.00
	Add GST @ 18% for all items except battery and 28% for battery			46,93,928.56
	Total before ITC on GST			2,90,52,420.56
	Less ITC on GST			46,93,928.56
	Total after CENVAT credit			2,43,58,492.00

In words – Two crore ninety lakhs fifty two thousand four hundred and twenty and paise fifty six only

**Terms & Conditions :**

**Clause No.1: PRICE:** Prices are firm and on F.O.R. Destination basis and are inclusive of freight, packing & forwarding & Insurance charges. Safe arrival of consignment till consignee stores shall be your responsibility.

**1(a): Installation and commissioning:** The installation and commissioning charges as indicated in above table for the complete job for all locations shall be payable extra against submission of certificate for successful installation and commissioning certified by HOD-(E&T); WCL HQ or his authorised representative i.e. SO(E&M) / Area engineer (E&T) of the respective area.

**Clause No.2:** CAMC Charges for five years after completion of guarantee / warranty period

(i) Detailed terms & conditions of CAMC are enclosed in Annexure X

(ii) CAMC Charges for five years after completion of guarantee / warranty period shall be payable as per rates indicated in table above. Respective areas / area nodal officers shall ensure that the intimation for commencement of CAMC period shall be given to the firm atleast one month prior to expiry of the guarantee / warranty period.

*[Handwritten signature]*

*[Handwritten signature]*  
05/02/19



**Clause No.3: GST** : Shall be payable extra as applicable on the date of supply and execution within the stipulated delivery period of contract.

- The current applicable rate of GST is 18% for items at sl no: 1,2,3,5 indicated in table above.
- The current applicable rate of GST is 28% for additional battery item i.e. sl no:4 indicated in table above.
- The current applicable rate of GST is 18% for CAMC charges i.e. item sl no: 6,7,8,9,10 indicated in table above.
- The HSN code applicable is 85256011. Your GST compliant invoice shall clearly indicate the 8 digit HSN code.
- WCL shall avail input tax credit against GST. In case of any failure on suppliers account, the penalty including interest (if any) borne by WCL shall be recovered from you.

**GST details of the firm - 27ABVPM6511A1ZO**

**GST details of WCL: 27AAACW1578L1ZW**

**Clause No. 4: Delivery** : The delivery shall be completed as per schedule given below:

- The delivery of materials shall be completed within 90 days of communication of receipt of WPC permission for re-use of the existing frequencies of VHF duplex radios of WCL or new frequencies (if required) by WCL.
- The Installation, commissioning and handover of the total system shall be completed within 120 days from the date of placement of order (which shall be reckoned from the 7<sup>th</sup> day of order) or within 30 days from the date of communication of receipt of WPC license for re-use of the existing frequencies of VHF duplex radios of WCL or new frequencies (if required) by WCL; whichever is later.
- You / OEM shall be fully responsible to obtain the WPC permission / license for the products on behalf of WCL. You / OEM shall arrange the WPC permission / license in favour of WCL for which necessary assistance would be extended by WCL including all documentation as required by WPC for obtaining the statutory WPC permission / license.
- WCL shall also bear all the necessary statutory payments for royalty and license fees to WPC for the same.
- HOD-(E&T); WCL HQ or his authorised representative shall communicate to the successful bidder; the receipt of WPC permission/ license.

**Clause No.5 :PROJECT ALLOCATION & CONSIGNEE:**

**A. Allocation:**

SL no:	Item description	Total Qty	ALLOCATION						
			Wani Area	Ballarpur Area	Majri Area	Umrer Area	Nagpur Area	Chandrapur area	War nort area
1	Total Quantity of Walkie Talkie Sets along with batteries, Leather cover, Rapid Charger along with all other accessories	728 no:s	288	137	68	30	10	135	60
2	Total Quantity of Repeater units, Antenna, RF Cable along with all other accessories	30 no:s	8	8	2	1	0	8	3
3	Radio Phone patch unit	30 no:s	8	8	2	1	0	8	3
4	Additional 2000 mAh Li Ion Battery	728 nos	288	137	68	30	10	135	60

**B. Consignee**

SL NO.	NAME OF THE AREA	ADDRESS OF REGIONAL STORES
1	NAGPUR (NGP)	Regional Stores, WCL

*Handwritten signatures and dates:*  
 [Signature] 12/12/19  
 [Signature]

		PO: SILEWARA COLLIERY Dist. Nagpur (M.S.)Pin:441 109
2	UMRER (UMR)	Regional Stores, WCL P.O.: -Umrer Project Dist. Nagpur (M.S.)Pin:-441204
3	MAJRI (MAJ)	Regional Stores, WCL New Majri, P.O.: -Shivaji Nagar, Distt:-Chandrapur-(M.S)Pin: 442 603
4	WANI (WA)	Regional Stores, WCL P.O.: -GHUGUS COLLIERY Distt:-Chandrapur,(M.S)Pin: 442 505
5	Ballarpur (BLP)	Regional Stores, WCLBallarpur Area PO : SastiDistt:-Chandrapur (M.S) Pin: - 442 706
6	Chandrapur	Regional Stores, WCL, Durgapur Opencast, P.O.: DURGAPUR Distt Chandrapur,( M.S)Pin : 442 403
7	Wani North	Regional Stores, WCL Wani North Area , PO: UKNI, Tahsil: WANI Dist : Yavatmal (MS)Pin : 445 304

**Clause No. 6 : PAYING AUTHORITY:-** General Manager (Fin), WCL, HQ,  
Coal Estate, Civil Lines,  
Nagpur – 440 001

**Banking details of the firm: (As confirmed by you in your offer)**

Name of the Bank and Branch	Union Bank of India , Civillines
Address of the Branch of the Bank	Civil Lines
Account Number	442405040000265
Nature of Account ( Cash, Credit , Current, Saving )	Credit
IFS Code of the Branch	UBIN0544248

**Clause No.7: TERMS OF PAYMENT:-**

- 100% payment shall be made within 21 days after receipt and acceptance of material at consignee stores and receipt of satisfactory installation, commissioning, handover report issued by HOD (E&T) WCL HQ or his authorized representative or date of submission of bills whichever is later.
- You / OEM shall be fully responsible to obtain the WPC permission / license for the products on behalf of WCL. You / OEM shall arrange the WPC permission / license in favour of WCL for which necessary assistance would be extended by WCL including all documentation as required by WPC for obtaining the statutory WPC permission / license.
- WCL shall also bear all the necessary statutory payments for royalty and license fees to WPC for the same.
- HOD-(E&T); WCL HQ or his authorised representative shall communicate to you; the receipt of WPC permission/ license.
- Payment shall be made only on submission of confirmed security deposit & performance Bank Guarantee and acceptance of same by WCL.

*Handwritten signature/initials*

*Handwritten signature/initials*



**Clause No.8: SUBMISSION OF BILLS:-**

- a) Pre-receipted and stamped GST compliant invoice for 80% value of each material with taxes and duties and other charges shall be submitted in "QUADRUPLICATE" to the consignee along with following documents:
1. Packing list in original giving details of Bill of materials.
  2. Consignment note in original/RR/PWB in original.
  3. Manufacturer's test certificate as per technical specifications.
  4. Warranty/Guarantee certificate.
  5. Delivery challan in original.
  6. Buyer's copy of invoice in Original signed by authorised signatory
  7. SD / Performance Bank Guarantee copy
  9. Any other documents required as per technical specifications & enclosed Annexure I or indicated elsewhere in the order.
- b) GST compliant Bill for balance 20% shall be submitted to the consignee after successful commissioning of the weigh bridge. Consignee shall forward the same to paying authority along with commissioning certificate.

Note:- Copy of each of the above bill(s) along with copies of each documents must be submitted to the GM(MM) I/c WCL, HQ. Nagpur-440,001.

**Clause No.9: INSPECTION:-**

Final Inspection shall be carried out by the consignee at destination / stores.

**Clause no. 10: GUARANTEE/WARRANTY:-** You shall give composite guarantee / warrantee of satisfactory performance of the complete equipment ( along with accessories ) for a period of 12 months from the date of commissioning or 18 months from the date of receipt and acceptance of stores by consignee whichever is earlier. A certificate to this effect shall be submitted by you. You shall also submit Manufacturers GUARANTEE/WARRANTY certificate along with bills.

**Clause No. 11: Security Deposit:-** You shall have to furnish the security deposit amount in the form of Demand Draft or Bank Guarantee of any scheduled / Nationalized bank for 10% ( ten percent) value of the awarded contract (landed value) without having any ceiling i.e. for Rs.29,05,243.00, within 15 days time from the date of supply order. The BG shall be valid for a minimum period of 7 (Seven) months from the date of issue in order to cover the delivery period.

- The bank guarantee issued by the banker of the firm shall be operational for all purposes at Nagpur branch (Maharashtra).
- The Bank Guarantee issued by the issuing bank on behalf of the supplier in the favour of Western Coalfields ltd shall be in paper form as well as issued under "Structured financial messaging system". The details of beneficiary for issue of BG under SFMS platform is furnished below:

Name of beneficiary and details	
Name	Western Coalfields ltd
Area	Head Quarter
Bank A/c No: / Cust ID of beneficiary	ICICI Bank Ltd, Vishnu Vaibhav, 222, Palm Road, Civil Lines, Nagpur
IFSC code	ICIC0000059
Bank Manager Name & Ph no:	Hrushikesh Sakalkale Ph n: +91-9923202096

*Kuldeep*  
*leds*

*08/10/19*



- The original bank guarantee issued by the issuing bank shall be sent by the issuing bank to the following address by Registered post /AD.

General Manager (MM) I/c  
Materials Management Wing  
Western coalfields ltd HQ  
Coal Estate, Civil lines,  
Nagpur – 440001  
Maharashtra

- Any extension / amendments to the BG shall be done following the same procedure as above.
- In case the successful tenderer fails to deposit the security money, the order shall be cancelled and the case shall be processed to order elsewhere and the firm's performance is to be kept recorded for future dealings with them.
- Security deposit money will be refunded to the firm within 30 days from the date of satisfactory execution of the contract. For unsatisfactory performance and / or contractual failure, the security money shall be forfeited.
- Security deposit may be converted to PBG as per NIT provisions.

**Clause No. 12 Performance Bank Guarantee :**

You shall have to furnish PBG for a total amount of Rs. 29,05,243.00, valid for 6 years and 3 months (75 months) from the date of successful commissioning to cover the Guarantee / Warranty and AMC period i.e. 10 % of the total order value of the complete equipment (along with accessories), civil works, weigh cabin, erection and commissioning charges, & CAMC charges arrived at by adding all the taxes and duties applicable, to the FOR Destination price. No payment will be made without submission of the performance bank guarantee. The same shall be as per format provided along with the supply order.

**Clause No. 13: LIQUIDATED DAMAGES:-**

In the event of failure to execute the contract within the stipulated period mentioned in the order and in the event of breach of any of the terms and conditions in the order WCL has the right :-

- To recover from successful tenderer, as agreed liquidated damages, a sum not less than 0.5% of the contract value for delay in execution of the contract beyond the delivery schedule (for this purpose part of a unit supplied will not be considered) as aforesaid for each week or part of a week during which the execution may be in arrears limited to 10 %. Where felt necessary the limit of 10% can be increased to 15% at the discretion of GM(MM)-HOD.
- To purchase from elsewhere, after due notice to the successful tenderer, on the account and at the risk of the defaulting supplier the stores not supplied or others of a similar description without cancelling the supply order in respect of consignment not yet due for supply or
- To cancel the supply order or a portion thereof, and if so desired, to purchase the store at the risk and cost of the supplier and also
- To extend the delivery period with or without imposition of Liquidated Damages as may be considered fit and proper. The penalty if imposed shall not be more than the agreed liquidated damages referred to clause (a) above.
- To encash any available Bank Guarantee / security deposit for recovery of the penalty.
- Whenever under the contract a sum of money is recoverable from and payable by the supplier, Western Coalfields Limited, shall be entitled to recover such sum by appropriating, in part or whole by deducting any sum or which at any time thereafter, may be due to the successful tenderer

*[Handwritten signatures and initials]*



in this or any other contract, with Western Coalfields Limited or any of its Subsidiary Company. Should this sum be not sufficient to cover the full amount recoverable, the successful tenderer shall pay to Western Coalfields Limited, on demand the remaining amount.

g)The supplier shall not be entitled to any gain under this clause.

**Clause No. 14 FORCE MAJEURE CLAUSE:-** If the execution of the contract/supply order is delayed beyond the period stipulated in the contract supply order as a result of outbreak of hostilities, declaration of an embargo or blockade or fire, flood, acts of nature or any other contingency beyond the supplier's control due to act of God then Western Coalfields Limited may allow such additional time by extending the delivery period, as it considers to be justified by the circumstances of the case and its decision shall be final. If and when additional time is granted by the Coal India Limited and its subsidiary companies, the contract/supply order shall be read and understood as if it had contained from its inception the delivery date as extended.

**Clause No.15: PACKING:-** Packing as per clause No. 18 of Annexure – II i.e. general terms and conditions.

**Clause No.16: LOCATION OF DESPATCH:** Electrocreators Networking & Solutions, 502, Gomati Apartment, Law College Sq., W.H.C. Road, Dharampeth Nagpur 440010

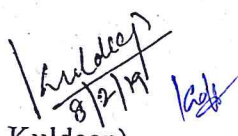
**Clause No.17: Price Certificate:** - As undertaken by you in your offer, a Price Certificate shall be submitted by you along with bills as under: *"Certified that we have not offered the same products at a price lower than that offered in the present bid in respect of any other ministry/ department of the Govt. of India or a PSU. In case we offer the lower prices for same items under similar terms within the validity of this offer to ministry/department of the Govt. of India or a PSU, we undertake to notify such reduction to the buyer and the same will also be applicable against this offer."*

**18. PRICE CERTIFICATE:** A Price Certificate shall be submitted along with the invoice / on the body of the invoice as under: *"Certified that we have not supplied / are not supplying similar products/ systems or sub-systems at a price lower than that offered in the present bid in respect of any other ministry/ department of the Govt. of India or a PSU."*

**19. PRE-CONTRACT INTEGRITY PACT:** Pre-Contract Integrity Pact has already been signed and furnished by you along with your offer, and the same shall be applicable till completion of the contract.

This order shall be governed by enclosed General terms and conditions of supply unless and otherwise specified in the above paragraphs.

Please acknowledge receipt of the order within 15 days from the date of receipt of this order and return the duplicate copy of the order duly signed and stamped with seal of your company as a token of acceptance, otherwise it will be presumed that you have accepted the order for execution as per terms and conditions stipulated above.

  
( P. Kuldeep )  
Deputy Manager(MM)

Yours Faithfully,

  
(C.R.Samantray)  
Chief Manager(MM)

Encl:-

1. Detailed Scope & Specifications. Annexure - 'I'
2. Terms & conditions for CAMC – Annexure X,
3. General Terms and Conditions of the supply order Annexure - 'II'

4. Format for SD/PBG – Annexure E
5. Technical brochures – 8 pages

Indent & Budget Ref :

Capital BC No. FA/WCL/CAP/BC/OPM/379 dt.07.02.2019 for Rs.2,35,90,201.00 only.

Advanced revenue BC towards CAMC:

- 1<sup>st</sup> year 2020-21 – BC/WCL/Rev/CM(E&T)/2020-21/CAMC charges/7/03/127 for Rs.4,48,400.00 dated 07.02.2019
- 2<sup>nd</sup> year 2021-22 – BC/WCL/Rev/CM(E&T)/2021-22/CAMC charges/7/03/127 for Rs.6,53,720.00 dated 07.02.2019
- 1<sup>st</sup> year 2022-23 – BC/WCL/Rev/CM(E&T)/2022-23/CAMC charges/7/03/127 for Rs.8,96,300.00 dated 07.02.2019
- 1<sup>st</sup> year 2023-24 – BC/WCL/Rev/CM(E&T)/2023-24/CAMC charges/7/03/127 for Rs.11,80,000.00 dated 07.02.2019
- 1<sup>st</sup> year 2024-25 – BC/WCL/Rev/CM(E&T)/2024-25/CAMC charges/7/03/127 for Rs.22,83,300.00 dated 07.02.2019

Indent/MB Ref:

Sl no:	Indent no:	Area	Sub area
1	3600756 dated 17.11.2016 (2/c)	Nagpur	Gaondegaon OCM Kamptee OC Bhanegaon OC
2	IND/17-18/4460/00001 dated 06.04.2017 (9/c)	Majri	NMOC
3	IND/17-18/4460/00004 dated 06.04.2017 (13/c)		NMUG2OC
4	IND/17-18/4460/00008 dated 06.04.2017 (18/c)		Yekona
5	3600642 dated 21.02.2017 (56/c)	Ballarpur	various
6	3600383 dated 12.11.2016 (103/c)		
7	3600992 dated 21.03.2017 (77c)	Wani	various
8	3400622 dated 16.09.2014 (93/c)		
9	3600386 dated 08.12.2016 (82)	Umrer OC	various

The above indents were reviewed and consolidated into a single indent raised by GM(E&M)-HOD at WCL HQ:

Sl no:	Indent no:	Value	Area	Sub area	Qty of walkie talkie	Qty of repeater	Battery	Approval
1	Indent dated 26.10.2017	207.23 lakhs	Various	Various	533	19	533	Dir(tech) P&P

Further following additional indents were received which are tabulated as under:

Sl no:	Indent no:	Value	Area	Sub area	Qty of walkie talkie	Qty of repeater	Battery	Approval
1	IND/17-18/4660/00359	782400/-	Wani North	KPOC (against PR)	25	1	25	Dir(Tech) P&P

*[Handwritten signature]*

*[Handwritten signature]*



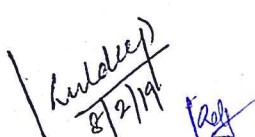
	dated 12.03.2018						
2	IND/17-18/4660/00270 dated 12.03.2018	587200/-		Ghonsa OCM (against PR)	15	1	15
3	IND/17-18/4660/00362 dated 12.03.2018	684800/-		Junad OCM (against PR)	20	1	20
4	IND/17-18/3160/00657 dated 03.03.2018	816700/-	Chandrapur	various	123	7	
5	IND/17-18/3160/00653 dated 22.02.2018	113040/-		Bhatadi Ext (against PR)	12	1	12


CC:

1. AGM, SO(E&M)/SO(MM)/ Depot Officer – Nagpur, Umrer, Majri, Wani, Ballarpur, Chandrapur, Wani north
2. GM (Fin)I/c, GM(P&P) GM(E&M)-HOD, CM(E&T) – WCL HQ
3. GM(Fin)I/c —Concurrence of Dir(Fin) ref .No. P68483 dated 30.01.2019 and approved by CMD WCL dated 01.02.2019
4. CM(E&M) Plg, CM(MM)Stores, WCL,HQ,,Nagpur
5. Manager(Fin.)CP,WCL,HQ,Nagpur.
6. IEMs
  - a. Shri A.K.Bajaj  
A-167, Defence Colony  
New Delhi – 110024
  - b. A.K.Mohapatra, IFS Retd  
Qrs. No. B-5/9, Unit-9  
Bhoi Nagar  
Bhubaneshwar - 751022
7. Motorola solutions India Pvt Ltd  
Motorola Excellenace center, 415/2, Mehrauli Gurugram road  
Sector 14, Gurugram122001 haryana India

(This refers to thier tender specific authorisation issued in favour of M/s Electrocreators Networking & Solutions vide letter dated 17.10.2018)

CGM(MM)/ GM(MM), SECL/MCL/NCL/CCL/BCCL/ECL/CIL

  
( P.Kuldeep)  
Deputy Manager(MM)

  
(C.R.Samantray)  
Chief Manager(MM)

**ANNEXURE -I**

**Technical Specifications for the supply, installation & commissioning of Digital VHF handheld Transceiver ( Walkie Talkie ) Sets and Repeaters along with all accessories :**

**I. General Terms and Conditions:**

- a) You have submitted the authorization in original from the manufacturer of offered Digital Radio (DMR) Walkie Talkie sets and Repeaters and for provision of comprehensive AMC for five years after one year warranty & spares & service support for six years from the date of commissioning.
- b) You have submitted an undertaking to provide comprehensive service support with spares for all the ordered items for 6 years.
- c) You have submitted undertaking to take the responsibility for interfacing Repeater units with the walkie talkie sets and extension of the existing EPABX system / mobile connection of WCL using Radio phone patch unit for communication with radio users..
- d) The offered Digital Radios (DMR) Walkie Talkie sets and Repeaters along with all accessories should be of the same OEM to have compatibility & interoperability for smooth functioning of the Walkie Talkie sets and Repeaters.
- e) System standards: All the Radio equipments shall comply fully with all customer defined mandatory requirement and conforming to the latest version of ETSI/FCC/IEEE, all required ETSI standard test reports from any international / govt. accredited laboratories shall be submitted. Notarized copy of the certificates / test reports to be submitted.
- f) It is the your / OEM responsibility to obtain the WPC permission for re-use of the existing frequencies of VHF duplex Radios of WCL or new frequencies if required before delivery of the Walkie talkie sets and repeaters. However, WCL shall bear all the necessary statutory payments for Royalty & license fees to WPC for the same.
- g) All types of breakdown calls are to be attended within 24 hrs and rectified within another 24 hrs, for which you shall arrange to keep service engineers at Nagpur for necessary deployment on reporting the complaint by Telephone / Fax / Email & rectifications as mentioned above. The details of service center is attached along with technical brochures.
- h) You should possess the valid Dealer Possession License (DPL) issued by Department of Telecommunications, GOI. A copy of the valid DPL License must be submitted.
- i) The details of service centre facility at Nagpur for repairs and replacement of the Walkie Talkie Sets and Repeaters have been submitted by you and attached along with technical brochures.

**II. Scope of Supply:**

S L	NAME OF THE AREA	Quantity of Walkie Talkie Sets complete with accessories including Rapid Charger & additional battery (No:s)	Quantity of Repeater units, Antenna, RF Cable along with all other accessories (No:s)
1	WANI AREA	288	8
2	BALLARPUR AREA	137	8
3	UMRER AREA	30	1
4	NAGPUR AREA	10	0
5	MAJRI AREA	68	2
6	CHANDRAPUR	135	8
7	WANI NORTH	60	3
	Total Quantity	728	30

**III. Scope of work:**

*Kuldip*

*[Signature]*



1. Supply, installation & commissioning of 728 nos of Digital (DMR) Radio Walkie Talkie Sets complete with accessories including rapid chargers & additional batteries as per specifications and 30 nos of repeater units complete with all other accessories including antenna & RF cables as per specifications.
2. All the software's required for installation & commissioning of Walkie Talkie Sets and Repeater units & its integration.
3. Interfacing of the Repeater units with the walkie talkie sets and extension of the existing EPABX system / mobile SIM connection of WCL using Radio phone patch unit for communication with radio users is in the scope of work.
4. The scope of work includes comprehensive maintenance of all the systems supplied from successful commissioning for one year warranty period & five years of CAMC Services.
5. SLA Terms & Penalty: You shall be intimated by the respective areas 1(one) month prior to expiry of guaranty warranty period for commencement of SLA agreement with WCL & must ensure up time of 95 % monthly availability of the Digital Radios (DMR) Walkie Talkie sets and Repeaters.

#### IV. Technical Specifications:

##### a. Specification for Digital VHF Hand Held Sets

General		
Sl. No.	Description	Required Specifications
1	Frequency Range	136-174 MHZ full band.
2	Number of channels	16 or higher
3	Channel spacing	12.5 KHZ or better
4	Frequency stability	+/- 1.5 PPM or better
5	Digital Radio	Digital DMR Radio
6	Type of operation	Simplex/Press to talk
7	Type of Antenna	Rugged flexible antenna
8	Power source	Minimum 2000 mA H Li-Ion Battery
9	Protection	1. Reverse polarity 2. High VSWR.
10	Essential features	(i) Single key Selective call facility
		(ii) Pre assigned messaging feature
		(iii) Scan with priority on both Analog & Digital Mode
		(iv) Channel Announcement facility
		(v) PC based & Over the Air Programming
		(vi) Automatic Audio enhancement in harsh environment.
		(vii) IP Network for wide area
11	Programmable buttons	Minimum 2 Softkeys for programming: Squelch, Power High / Low, pre programmed SMS / Selective call, etc.
12	Environmental Standard	(i) IP rating: IP67
		(ii) Operating temperature -10 deg C to + 60 deg C
		(iii) Relative Humidity- RH of 90 %
13	Networking	Capable to work in Wide-area network, Radio should be capable to work for Multi sites in multi Repeaters per site network.
Transmitter		
14	RF Power output	Programmable/switchable up to 5W
15	Deviation	± 2.5KHZ @ 12.5 KHZ
16	Emission	11K0F3E, 16K0F3E, 7K60FXE
17	Digital Modulation	4 FSK
18	Spurious Emission	- 60 dB or better

*(Signature)*

*(Signature)*



19	Audio distortion	Less than 3% @ 1KHZ
20	FM Hum/Noise	40dB or better
<b>Receiver</b>		
21	Sensitivity	0.3µV at 5% BER or better
22	Selectivity	60 dB or better
23	Inter-modulation	60dB or better
24	Audio output	500mW or higher.
25	Spurious Response	70 dB or better
26	Audio distortion	Less than 3% @ 1KHZ
<b>Accessories</b>		
27	Charger	Rapid Battery Charger for charging one no. 2000 mAH Li ion battery
28	Battery	1 no. additional 2000 mAH Li ion battery should be supplied along with the each walkie talkie set
29	Leather case	One no. good quality leather case with belt clip should be supplied along with the each walkie talkie set
30	Manuals/ Literature	User manual / literature with each radio

**b. Technical specifications of Digital VHF Repeater set:**

S. No.	Particular	Specification
A	GENERAL	
1	Frequency range	136-174 MHz (full band)
2	Indication	Separate LED indication of TX & RX
3	Protocol / Technology	Digital DMR ( TDMA )
4	Channel spacing	12.5 KHz or better
5	Channel Capacity	16 Channels or more
6	Frequency stability	+/- 1.5 PPM or better
7	Operating Selection	Analog or digital in standalone & compatible with analog/digital radios.
8	Communication Interface	Ethernet port for IP connectivity
9	Antenna Impedance	50 ohms
10	Max. Duty Cycle	100%
11	Display	Indicator for: Transmission Receiving Ethernet Link status Digital / Analog operation Alarm: Minor / Major Power
12	Digital Vocoder	AMBE+2
13	Protection	Battery reverse polarity and high VSWR
14	Alarms	<ul style="list-style-type: none"> <li>• Rx Alarm</li> <li>• Fan Alarm</li> <li>• Power System Alarm</li> <li>• Temp Alarm</li> <li>• Tx Power Alarm</li> <li>• VSWR Alarm</li> </ul>
15	Repeater configuration / Programming facility	PC programmable with USB with provision to program through IP network
16	Operating temperature range	-10°C to +60°C
17	Humidity	RH of 90%

*Handwritten signature/initials*

*Handwritten signature/initials*



18	Mode of Operation	Repeater should operate in Analog and Digital Mode.
19	IP Compatibility	Repeater supplied should be capable IP site connects.
20	Power source	i. DC 13.8 Volts +/- 15 % ii. AC 230 Volts +/- 15 % There should be provision to shift automatically on DC supply during mains failure. & when mains supply restored it should be shifted on mains from DC Supply.
21	Protection	i. Reverse polarity protection ii. Protections against high VSWR
22	Connectivity	Repeater should have compatibility for interfacing with the telephone patch unit for local EPABX System / mobile SIM for connecting telephone users with walkie talkie user.
<b>TRANSMITTER</b>		
1	RF Power output	45 watts or more (programmable / selectable)
2	Digital modulation	4FSK
3	FM Hum and noise	-40 dB or better
4	Adjacent channel power	-60 dB or better
<b>RECEIVER</b>		
1	Sensitivity	Analog-0.3 $\mu$ V for 12dB SINAD Digital -0.3 $\mu$ V@ 5% BER or better
2	Selectivity	60 dB or better
3	Inter- modulation Rejection	70 dB or better
4	Audio Distortion	< 3 %
5	Audio response	+1, -3 dB
<b>ACCESSORIES</b>		
1	Antenna	Omni directional antenna, 3 dB / 6 dB gain with 45 Mtrs RF Cable to be Supplied with each Repeater
2	Battery back up	SMF battery to be supplied with each repeaters for six hours back up
3	Literature	User / operational manual with each repeater.
4	Programming software	All necessary programming software & hardware required for the set will be provided.
5	Radio Phone Patch unit	To be supplied with each Repeater for interfacing with repeater to provide simplex voice communication between radio user and land line / EPABX / Mobile connection user having features of inbuilt DTMF decode, IVR, IP base software for configuration with access code range up to 6 digits

*(Handwritten signature)*  
Keth

*(Handwritten signature)*  
08/02/19



**Annexure X - Terms & Conditions of the Comprehensive Annual Maintenance Contract**

- a) **Scope of Work:** Comprehensive AMC of complete Softwares & Hardwares including Digital Radios (DMR) Walkie Talkie sets and Repeaters supplied and installed as per Supply Order.
- b) The Period of AMC shall be for five years after completion of one year Warranty Period.
- c) **SLA Terms & Penalty:** You shall be intimated by the respective areas 1(one) month prior to expiry of guaranty warranty period for commencement of SLA agreement with WCL & must ensure up time of 95 % monthly availability of the Digital Radios (DMR) Walkie Talkie sets and Repeaters. The penalty per day will be calculated as follows :
  - a. (sum of total nos of Digital Radios ( DMR) Walkie Talkie sets and Repeaters – sum of total nos of Digital Radios ( DMR) Walkie Talkie sets and Repeaters under breakdown ) x 100 / sum of total nos of Digital Radios ( DMR) Walkie Talkie sets and Repeaters.
  - b. The deduction in payment will be made for the down time in quarterly bills raised by vendor on pro-rata basis on the recurring ordered value for each year.
  - c. If the uptime in a month goes below 75 %, the user has the right of cancellation of the work order & revocation of bank guarantee.
- e) Complete comprehensive maintenance of all the equipments / parts ( including repairs and replacement ) supplied & for the services provided as per supply order.
- f) All types of breakdown calls are to be attended within 24hours and rectified within another 24 hours, for which the you shall arrange to keep service engineers at Nagpur for deployment at site to attend & rectify the complaints received by Telephone / Fax / Email etc as mentioned above.
- g) You have furnished the 24x7 help desk details which is attached along with the technical brochures.
- h) The payment of the service charges is payable on quarterly basis at the end of each quarter.
- i) Payment Authority :GM Finance – WCL Head Quarters
- j) Maintenance holder shall maintain a joint record for fault report from time to time against the emergency / service visits of the subject equipment, which shall be duly certified by the concerned engineer indicating the nature of fault, date of report and date of rectification. One copy of the joint visit must be submitted to the concerned engineer.
- k) Maintenance holder shall ensure that the during tenure of the service period, any spares replaced by the maintenance holder shall be certified by the WCL engineer and to be recorded in the spare register.
- l) Complete reports shall be submitted along with the bills for the period of claim on satisfactory completion of service period.
- m) No hike in the service rates during the tenure of the contract period is entertained.
- n) If any parts / spares / components is replaced, the old part so removed is the property of the maintenance contractor.
- o) The maintenance contractor is responsible for the repairing of defects caused on account of the normal wear and tear of complete walkie talkie sets, repeater units excluding Li Ion batteries & SMF batteries.
- p) **Penalty clause:** As per scope of supply in scope of work.
- q) **Service exclusions:** Service do not cover the repair for damages, malfunctions or service failures caused by force majeure condition.

*(Handwritten signature)*  
12/2/19

*(Handwritten signature)*  
12/2/19



ANNEXURE "E"

Format of Bank Guarantee for Security Deposit:

(R.S.250 non-judicial stamp paper)

1. In consideration of M/s. Western Coalfields Limited, Nagpur (hereinafter called "The Company") having agreed to exempt \_\_\_\_\_ (hereinafter called "The said Contractor(s)") from the demand, under the terms and conditions of the agreement dated \_\_\_\_\_ made between \_\_\_\_\_ and \_\_\_\_\_ for \_\_\_\_\_ (hereinafter called "the said Agreement"), of security deposit for the due fulfilment by the said contractor(s) of the terms and conditions contained in said Agreement, on production of bank guarantee for Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only). We \_\_\_\_\_ (indicate the name of bank) (hereinafter referred to as "the Bank") at the request of \_\_\_\_\_ (Contractor(s)) do hereby undertake to pay to the Company an amount not exceeding Rs. \_\_\_\_\_ against any loss or damage caused to or suffered or would be caused to or suffered by the Company by reasons of any breach by the said Contractor(s) of any terms or conditions contained in the said Agreement.

2. We, \_\_\_\_\_ do hereby undertake (indicate the name of the Bank) to pay the amounts due and payable under this guarantee without any demur, merely on demand from the Company stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Company by reason of breach by the said contractor(s) of any of the terms or conditions contained in the said agreement or by reason of the contractor(s)'s failure to perform the said agreement. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. \_\_\_\_\_ only.

3. We undertake to pay to the Company any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) supplier(s) in any suit or proceeding pending before any court or tribunal relating thereto our liability under this present being absolute and unequivocal :

The payment so made by under this bond shall be a valid discharge of our liability for payment thereunder and the contractor(s)/supplier(s) shall have no claim against us for making such payment.

4. We, \_\_\_\_\_ further agree that the (indicate the name of the Bank) guarantee herein contained shall remain in full force and affect during the period that would be taken for performance of the said Agreement and that it shall continue to be enforceable till all the dues of the company under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till the company certified that the said agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee. The guarantee shall remain in force till the \_\_\_\_\_ the day of \_\_\_\_\_ 20 \_\_\_\_ and unless a demand or claim under the guarantee is made on us in writing within 3 months from the said date, shall be discharged from all liabilities under this guarantee thereafter.

5. We, \_\_\_\_\_ further agree with the (indicate the name of the Bank)

*Kuldeep*  
12/2

*[Signature]*  
12/2

Company that the company shall have fullest liberty without our consent and without affecting in any manner our obligations, hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) 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 said contractor(s) and to for bear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reasons of any such variation, or extension being granted to the said contractor(s) or for any forbearance, act or commission on part of the company or any indulgence by the company to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in constitution of the bank or the contractor(s)/supplier(s).

7. We \_\_\_\_\_ lastly undertake not to revoke this (indicate the name of the Bank) guarantee during its currency except with the previous consent of the company in writing.

8. The bank Guarantee is operational for all purposes at Nagpur Branch ,Maharashtra (Branch Code- )

Dated the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_

For \_\_\_\_\_

(indicate the name of the Bank)

\* \* \* \* \*

*[Handwritten signature]*  
*[Handwritten signature]*