

Supply Order Ref. 2100011298050

Dated : 24/07/2018

**WESTERN COALFIELDS LIMITED**

MATERIALS MANAGEMENT WING

COAL ESTATE, CIVIL LINES, NAGPUR-440001

CIN : U10100MH1975GO1018626

Phone : (0712) 2510501, 2510691 [EPBAX, Extn :5587] Fax : 0712 - 2510284

Website : www.westerncoal.gov.in

ORDER NO. 21000112918050

DT : 24.07.2018

BY REGISTERED POST

To.

M/s MARUTI SALES AND TUBES
331, Anand Nagar, Handewardi Road
Hadapsar
PUNE - 412028

Vendor Code :616973
Vendor Type: NON MSE
Tel No.-09371985195
Mobile: 9371985195

Dear Sir;

Sub:- Supply of Centrifugal Pumps with electricals.

Ref:- 1. Our Tender No. hq-pur-sp-ra-e-088- 2017-18, Techno commercial bid opened on 29/11/2017. (Tender ID 2017_WCL_83159_1)

2. Your offer against the tender and subsequent correspondences on Portal (Bid Id : 244831 dated 25.11.2017).
3. Letter No. FP/RKL/ QKGV1711306 dtd. 24/11/2017 of M/s Flowmore Ltd.
4. Your letter No. MST-FL/ WCL-HQ/PUMP/ 024-VE-03 dtd. 03/07/2018.

With reference to above, we are pleased to place formal order on you for supply of the following as detailed below:

NIT Sl. No.	Item description	Unit	Qty	Rate per Unit in Rs.	GST @ 12% in Rs.	Extended value in Rs.	Total amount in Rs.
1	Centrifugal Pump 160 LPS, 250 Meter Head Stainless Steel Construction (Manufactured by M/s Flowmore Limited)with NFLP electricals. (Detail Technical Specification as per Annexure A enclosed)	Set	4	38,01,600.00	4,56,192.00	42,57,792.00	1,70,31,168.00
2	Centrifugal Pump 80 LPS, 250 Meter Head CI construction (Manufactured by M/s Flowmore Limited) with FLP Electricals. (Detail Technical Specification as per Annexure A enclosed)	Set	1.	19,92,531.42	2,39,103.77	22,31,635.19	22,31,635.19
					Pre dispatch inspection @1%		1,92,628.03
					Grand Total		1,94,55,431.22

(Rs. One Crore Ninty Four Lakhs Fifty Five Thousand Four Hundred Thirty One & Paise Twenty Two only)

TERMS & CONDITIONS

1. **PRICE** :The above prices are firm and on F.O.R. destination supply basis inclusive of Packing & forwarding, freight & Insurance charges.

2. **Goods & Service Tax** : Shall be payable extra as applicable within the stipulated delivery period of the supply order. The present applicable rate of GST is @ 12 %. Input Tax Credit on GST shall be availed by WCL as per GST rules. You shall submit GST complaint invoice enabling WCL to avail Input Tax Credit (ITC) under

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GST. In case of any failure on your account, the penalty including interest, if any borne by WCL on ITC, shall be recovered from you..

3. Other levies : Nil

4. Delivery :Delivery of the complete pump set shall be completed within Four (04) months. The delivery period shall be reckoned from 7th (Seven) day of the order date. However in view of urgency you may improve upon delivery and expedite the supplies.

5. Transportation & e-way Bill: By road on freight paid basis. As the delivery of goods by you is on F.O.R. Destination basis, the movement of the goods is to be initiated by you and issue e-Way Bill.

6. Inspection Clause :a) Pre-dispatch inspection – The materials shall be inspected by CMPDIL at manufacturer's works before dispatch. The inspection fee as applicable at the time of inspection (presently Inspection charge is @ 1 % with applicable GST @ 12% on landed value of the material shall be initially paid by you to the inspection agency. Inspection charges shall be subsequently reimbursed by the paying authority to you along with payment against documentary evidence. However, the GST paid on inspection charges shall not be claimed by you from WCL and vis-à-vis will not be reimbursed by WCL.

The mode of payment of the Pre dispatch inspection fee shall be made as under:

1. State Bank of India has made an arrangement for payment of Pre Despatch Inspection Fee through "State Bank collect" and a hyperlink has already been created on CMPDI website i.e. www.cmpdi.co.in for payment of the same.

2. e-money receipt generated online by State Bank collect to be treated as the official money receipt issued by CMPDI to the respective firm.

b) FINAL INSPECTION: Final Inspection of the consignment shall be carried out at the destination stores, which will be arranged by the consignee on receipt of stores.

7. Consignee :Depot Officer, Central Stores, Tadali, Western Coalfields Limited
At Urjagram, PO: Tadali, Dist: Chandrapur (MS)- 442406
Phone no: 07172- 237076, Fax no: 07172- 237295
TIN NO: 2778000004V dt. 01-04-2006
CST NO: 2778000004C dt. 01-04-2006
CE Registration No.: AAACW1578LEM080
(Range- V, Division- I, Commissionerate- Nagpur)

8. Payment Terms : 80% value of the equipment and accessories and 100% taxes and duties and other charges shall be made within 21 days after receipt and acceptance of material at site by the consignee or from the date of submission of bill whichever is later.

Balance 20% payment shall be made after successful completion of erection, testing, commissioning and final acceptance of the equipment (along with the accessories) upon presentation of certificates from the Area GM/HOD(Tech) of WCL HQ to the effect that the equipment has been erected and commissioned to their entire satisfaction. However, if the equipment is not put to use by the project within 120 days from the date of receipt and acceptance at consignee's end, the balance 20% shall be released.

9. Paying Authority : General Manager(Finance), Western Coalfields Limited, Coal Estate, Civil Lines, Nagpur – 440 001 (M.S.)

10. Submission of Bills :For 80% Payment.

- (i) GST compliant Invoice enabling WCL to avail ITC on GST paid.
- (ii) Packing list in original giving details of bill of materials, if applicable.
- (iii) Consignment note / RR/ LR in original.
- (iv) Warranty / Guarantee certificate.
- (v) Manufacturer's test certificate.
- (vi) Pre dispatch inspection certificates
- (vii) Any other document indicated elsewhere in the order.

For 20% payment:

- Pre-receipted and stamped Invoice for 20% value of the equipment and accessories along with the commissioning certificate from the technical department.

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• However, if the item is not put to use by the project within 120 days from the date of receipt and acceptance, balance payment of 20% amount will be released on submission of Pre-receipted and stamped Invoice for 20% value of the equipment and accessories.

11. Guarantee/Warranty : You shall give a manufacturer's warranty of satisfactory operation and performance of the items supplied by you for a period of 12 months from the date of commissioning or 18 months from the date of receipt and acceptance of materials, at the consignee end by WCL whichever is earlier. You shall be responsible for any defects that they develop under the conditions provided for by the contract and under proper use, arising from faulty materials, design or workmanship and shall remedy such defects at his own cost when called upon to do so, If it become necessary for you to replace or renew any defective portion of the goods, such replacement or renewal should be made by you without any extra cost to WCL.

12. Security Deposit : You shall furnish a security deposit in the form of Demand Draft or Bank Guarantee of any scheduled bank for 10% value of the awarded contract(Landed value before ITC) i.e. Rs. 19,45,544.00 (Rs. Nineteen Lakhs Forty Five Thousand Five Hundred Forty Four only) within 15 days time from the date of supply order. Security deposit money will be refunded to you within 30 days from the date of satisfactory execution of the contract. Security deposit may be converted into Performance Bank Guarantee (PBG) as per NIT provisions.

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

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.

13. Performance Bank Guarantee : You shall furnish PBG valid for 18 months from the date of receipt and acceptance of the materials to cover the Guarantee / Warranty period for 10% of the order value of the equipment(along with accessories) i.e., FOR destination price of the materials on the order ,i.e., for Rs. 19,45,544.00 (Rs. Nineteen Lakhs Forty Five Thousand Five Hundred Forty Four only) to this office. No payment will be made without submission of the confirmed performance bank Guarantee.

14. Liquidated Damages Clause :

In the event of failure to deliver the stores within the stipulated date / period in accordance with the samples and / or specifications mentioned in the supply order and in the event of breach of any of the terms and conditions mentioned in the supply order, Coal India Limited and / or its subsidiary Companies should have the right :-

a. To recover from successful tenderer, as agreed liquidated damages, a sum not less than 0.5% of the price of the store which successful tenderer has not been able to supply (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 delivery of such stores may be in Arrears limited to 10 %. Where felt necessary the limit of 10% can be increased to 15% at the discretion of Head of the Materials Management Division.

b. 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 canceling the supply order in respect of consignment not yet due for supply or

c. To cancel the supply order or a portion thereof, and if so desired, to purchase the store at the risk and cost of the defaulting supplier and also-

d. 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.

e. To forfeit security deposit in full or part.

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f. 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 in whole by deducting any sum or which at any time thereafter, may become due to the successful tenderer in this or any other contract, with Western Coalfields Limited. 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 balance. The supplier shall not be entitled to any gain on any such purchase.

15. Risk Purchase Clause:

In the event of failure of the supplier to deliver or dispatch within the stipulated date/period of the supply order or in the event of breach of any of the terms and conditions mentioned in the supply order, Coal India Ltd. or its Subsidiary Companies have the right to purchase the stores from elsewhere after due notice to the defaulting supplier at the risk and cost of the defaulting supplier. In the event of failure of the supplier as detailed above, the cost as per risk purchase exercise may be recovered from the bills against any other supplies pending in the same Subsidiary Co. and also in any other Subsidiary Companies/CIL.

Risk purchase action may be initiated under any of the following conditions:

- I. When the supplier fails to deliver the materials even after the delivery period is extended on several occasions, on request from the supplier.
- II. When the supplier fails to respond to purchaser's request for supply of the materials and fails to provide any reason which is considered to be genuine, for the delay in supply.
- III. When in the judgment of the purchaser the supplier is unable to execute the order due to various reasons.
- IV. When the materials are urgently required and the supplier fails to deliver the materials within the extended/original delivery schedule.
- V. When the supplier breaches any of the terms and conditions of the supply order and as a result fails to execute the order satisfactorily

16. Price Certificate: As undertaken by you in your offer you have to certify on the supplies bill 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 order."

17. Force Majeure Condition

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.

18. EFT Details : As confirmed by you in your offer

Name of Bank	State Bank of India
Branch Name & Location	Wardhaman Nagar, Plot No. 268, Satnami Layout, Central Avenue, Nagpur
Account Number	36943608760
Type of Account	CURRENT
IFS Code of the Branch	SBIN00030425

The supply order is issued with this acceptance. You are requested to acknowledge receipt of this order and arrange immediate supply.

(Sanjay Pawar) 
Sr. Manager (MM)

Yours Faithfully

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

- Enc I : 1. Technical Specification - Annexure - "A"
2. General Terms & Conditions - Annexure - "B"
3. Security Deposit /Performance Bank Guarantee format - Annexure - "C"

Budget Certification No. FAWCL/CAP/BC/OPM/137 dtd. 17.07.2018 for Rs. 1,94,55,432.00

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Indent Ref: Chandrapur Area, Exp.(Deep) / E&M, - 02, dtd. 11/03/2017 for Item No.1. (MMB IR No. C17311D011 dtd. 30/10/2017.)

Pathakheda Area – Tawa –II Indent No. 3600242 dtd. 27.02.2017 for item No.2.(MMB IR No. C17351D012 dtd. 30/10/2017)

Copy to :

1. GM(E&M)HOD, / GM(Finance)I/C, WCL(HQ), Nagpur.
2. Depot Officer, Central Stores Tadali.
3. CGM(P&P), WCL(HQ), Nagpur.
4. SO(E&M) Chandrapur / Pathakheda Area
5. Sr. Manager (Finance)CB, WCL(HQ), Nagpur.
6. Chief Manager(Finance)Exp. , WCL(HQ), Nagpur
7. Sr. Manager(Cash/CP), WCL(HQ), Nagpur
8. GM(E&M)HOD, CMPDIL Ranchi – with a request to inspect the items as per Pre dispatch Inspection clause.
9. Sr. Manager(MM/Admn.), WCL(HQ), Nagpur – The total value of the order is Rs. 1,94,55,431.22 only

Copy to :

M/s Flowmore Limited, 443,Udyog Vihar Phase-III, Gurugram – 122016 . This has the reference to their tender specific authorization No. FP/ RK/ WCL/ QKGV17111306 dt.24/11/2017.

(Sanjay Pawar)
Sr. Manager(MM)

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

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Technical specifications Annexure A

Item No.1 : Centrifugal Pump-160LPS,250Meter Head SS Construction with NFLP Electricals	4 Sets	
1.1-0-PUMP CONSTRUCTION MATERIAL		
a-Pump casing /body	SS, AISI 316	
b-Impeller	SS, AISI 316	
c-Pump Shaft	SS, AISI 316	
d-Shaft sleeve	SS, AISI 316	
e-Neck Ring	SS, AISI 316	
f-Lantern Ring	SS, AISI 316	
g-Gland and bush	SS, AISI 316	
1.1.1-PUMP DETAILS:		
a-Make of the pump	FLOWMORE	
b-Model of the pump	FM590/BD-250x200(3-Stage)	
c-Type of arrangement provided for neutralizing axial hydraulic thrust.	Thrust taken care by bearings	
d-Efficiency at duty point	%	80
e-Maximum efficiency	%	81
f-Power in KW required at duty point	KW	504.9
g-Discharge at duty point	LPS	160
h-NPSHR at duty point	Mtrs	4.49
1.1.2-MOTOR DETAILS :		
a-Operating voltage system:	3.3 kV,3 ph,50 Hz	
b-Kilo Watt Rating:	550 kW(Min)	
c-Motor RPM (Syn.):	1500	
d-Type of starting:	Star Delta	
1.1.3-MOTOR DETAILS :		
a-Make of the motor	ABB/BHEL/CGL/Marathon/TMEIC	
b-Starting & Full load current	CGL-868A & 124A Marathon- 871A & 134A	
c-Full Load RPM	1485 RPM	
d-Power factor & Efficiency at ½, ¾ and full load	CGL- 0.75/0.84/0.88 & 94.5/95.5/96 Marathon- 0.67/0.77/0.82 & 94/95/95.5	
e-Temperature rise on continuous Operation in Stator and rotor:	As per below	
(i) In core by thermometer.	Limited to class B	
(ii) In winding by resistance	Limited to class B	
f-Pull out torque	More than 200% of FLT	
g-Insulation resistance.	(Rated Kw+1)mΩ as per IS	
1.1.4-STARTER DETAILS :		
a-Type of Starter:	Star Delta	
b-Voltage system:	3.3 kV,3 ph,50 Hz	



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c-Kilo Watt Rating:	550 kW(Min)
1.1.5-STARTER DETAILS:	
a-Starter make and Model	Prabhu/SMPL and NSHT-DOL/3H-DOL
b-Make and Nominal current rating of contactors	Prabhu/SMPL and 400A
c-Operating voltage of relay	12V/110V/220V
1.1.7- STANDARDS	
a- pumps :	IS:5120-1977
b- Motors:	IS:325-1996
c-Starters:	IS:12661-1988

Item No.2 : Centrifugal Pump-80LPS,250Meter Head CI Construction with FLP Electricals	1Set	
1.2-0-PUMP CONSTRUCTION MATERIAL		
a-Pump casing /body	CI Grade FG-260 of IS:210	
b-Impeller	Bronze as per LTB2 of IS:318	
c-Pump Shaft	C S 40-C8-of IS:1570-II/1979	
d-Shaft sleeve	SS-410	
e-Neck Ring	Bronze as per LTB2 of 6-IS:318	
f-Lantern Ring	CI Grade FG-260 of IS:210	
g-Gland and bush	Bronze as per LTB2 of IS:318	
1.2.1-PUMP DETAILS:		
a-Make of the pump	FLOWMORE	
b-Model of the pump	M590/BD-200x150(5-Stage)	
c-Type of arrangement provided for neutralizing axial hydraulic thrust.	Thrust taken care by bearings	
d-Efficiency at duty point	%	78
e-Maximum efficiency	%	80
f-Power in KW required at duty point	KW	258.93
g-Discharge at duty point	LPS	80
h-NPSHR at duty point	Mtrs	4.49
1.2.2-MOTOR DETAILS :		
a-Operating voltage system:	3.3 kV,3 ph,50 Hz	
b-Kilo Watt Rating:	275 KW(Min)	
c-Motor RPM (Syn.):	1500	
d-Type of starting:	Star Delta	
1.2.3-MOTOR DETAILS :		
a-Make of the motor	CGL/Marathon/TMEIC	
b-Starting & Full load current	CGL- 462A & 66A Marathon-429A & 66A	
c-Full Load RPM	1485 RPM	
d-Power factor & Efficiency at ½, ¾ and full load	CGL- 0.65/0.78/0.84 & 92.5/94.5/95 Marathon- 0.74/0.82/0.85 & 91.5/92.8/93.5	
e-Temperature rise on continuous Operation in Stator and rotor:	As per below	
(i) In Core by thermometer.	Limited to class B	

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(ii) In winding by resistance	Limited to class B
f-Pull out torque	More than 200% of FLT
g-Insulation resistance.	(Rated Kw+1)mΩ as per IS
1.1.4-STARTER DETAILS :	
a-Type of Starter:	Star Delta
b-Voltage system:	3.3 kV,3 ph,50 Hz
c-Kilo Watt Rating:	550 kW(Min)
1.1.5-STARTER DETAILS:	
a-Starter make and Model	Prabhu/SMPL and NSHT-DOL/3H-DOL
b-Make and Nominal current rating of contactors	Prabhu/SMPL and 400A
c-Operating voltage of relay	12V/110V/220V
1.1.7- STANDARDS	
a- pumps :	IS:5120-1977
b- Motors:	IS:325-1996
c-Starters:	IS:12661-1988

Common Terms & conditions for both Items

2.0-DUTY PARAMETERS
2.1-Application -Mine dewatering
2.2-Altitude of working site : 300 M
2.3-Relative humidity Upto : 100%
2.4-Ambient temperature: 50 deg.C.maximum
2.5-Sp. Gravity of liquid : 1.03
2.6-Working Hrs./day 24 Hrs.
2.7-NPSHA : 5.0 Mtrs
3.0-MANDATORY CONSIDERATIONS :
a-Since the required pump is meant for mine dewatering application, the offered pumps should have wider operating head range with minimum variation in discharge, i.e. the pumps must have continuously descending H-Q curve.
b-The shut off head of the pump should be 10% more than the duty point head.
4.0-SCOPE OF SUPPLY: Each pump set will consists of
a- Pump with accessories-1
b-Motor with coupling- 1
c-Starter -1
d-Base plate fabricated from structural steel with coupling guard-1 No
e-Cast Steel Foot valve suitable for suction of the pump-1 No
f-Cast Steel Seluice valve suitable for delivery size of the pump.-1 No
g-Cast Steel Non Return Valve suitable for delivery size of the pump.-1 No
5.0-PUMP DETAILS :
5.1-Type Centrifugal



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5.2-RPM 1480 (Nominal)
5.3-Impeller Dynamically balanced (Note : Drilling of holes on impeller for balancing the hydraulic axial thrust is not acceptable).
5.4-Pump bearing Deep groove ball / roller bearing/ Bush bearing..
5.5-Working life of bearing Not less than 10,000 hrs.
5.6-Construction SPLIT CASING
6.0-MOTOR SPECIFICATIONS
6.1-Type of motor: Squirrel Cage Induction
6.2-Class of duty: CONTINUOUS
6.3-Class of insulation: Class 'F' with temperature rise limited to Class 'B'.
6.4-Winding material: Copper
6.5-Direction of rotation:Bi-directional
6.6-Shaft extension:Standard
6.7-Starting-torque:-120%-of-normal-torque
6.8-No. of hot starts per hour: 2
6.9-Type of enclosure:
Item No.1: NFLP
Item No.2: FLP
6.10-Degree of protection of : IP 55
6.11-No. of earthing points:Two
6.12-Cable entry:Suitable for PVC DWA mining cable of required size, for item 1 to 8 and Submersible flat cable of suitable size for item no. 9
6.13-Terminals:All winding leads shall be terminated in terminal box
6.14-Type coupling (To be used with motor):Direct flexible coupling
6.15-Name Plate: Non fading type, properly secured till the life of the motor. In addition to the information as per IS:325, the name plate shall also carry the bearing details.
6.16-Type of construction and mounting: Horizontal, Foot mounted
7.0-STARTER SPECIFICATION :
7.1-Degree of protection :IPH-6
7.2-Utilization category of Starter:AC-3
7.3-Type of enclosure:
Item No.1: NFLP
Item No.2: FLP
7.4-CONSTRUCTION :
a-Shall be in two compartments.
b-One shall house through going bus bars and off load isolator.
c-2nd compartment shall house contactors and protective devices.
d-In case of auto transformer starter, the auto transformer shall also be accommodated in 2nd compartment and shall be accessible from rear side of the enclosure for maintenance.

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e-Door of 2nd compartment shall be interlocked with isolator in such a way that the door can be opened only when the isolator is in 'OFF' position.
f-Cable terminal boxes with sealing boxes shall be provided for both incoming and out going terminals suitable for PVC/DWA mining cables of required size.
g-Through going terminals of bus bar shall be provided with bus trunking box with blanking cover.
h-Mounting - Skid mounted
7.5-BUS BAR & ISOLATOR :
a-BUS BAR REQUIREMENT: Made of Electrolytic copper of cross section not less than 240 Sq.mm covered with heat shrunk PVC sleeves.
b-ISOLATOR REQUIREMENT: Off load, triple pole reversing type
c-Rating of Isolator:Not less than 300 A
7.6-CONTACTORS (ONLY Govt./Govt. test house tested make contactors shall be used) :
a-Operation:Electromagnetic
b-OPERATING LIMITS OF CONTACTOR: As per IS:13947 (Part 4/Sec.I)/IS:9046. However the drop out voltage shall not be more than 50% of rated control supply voltage
NOMINAL CURRENT RATING OF CONTACTORS (FOR AC-3 DUTY): Not less than 2.0 times the full load current.
Note : - In case of star/delta starters, all the three contactors shall be of same rating.
c-Type of contactor (vacuum break)
7.7-PROTECTIONS :
a-OVER LOAD PROTECTION: Thermal Over Load relay with. Range of current adjustment : 75% to 100%
b-E L protection Type of E.L. Relay. The relay shall be as per the relevant Indian Standard or IEC.:CBCT operated E.L. Relay
c-Minimum value of leakage current (on primary) to operate: Item No. 1 : 0.5 A – 2 A (Max.) in steps of 0.5 A Item No. 2: 0.25A - 0.75 A (Max) in steps of 0.1A
d-Time delay setting range for Earth leakage protection 0 – 1 Sec in steps or 0.1 Sec
e-Testing and resetting of the relay:By means of push buttons on front cover of the panel.
f-Indication of E.L. trip:By means of indicating lamps on front cover.
g-P.T. and coils of the relay:Epoxy resin sealed
h-Short circuit:Through back up HRC fuses
i-Instruments:Amp. Meter of suitable range
j-Printed circuit diagram:On a brass plate shall be affixed on inside the cover.
8.0-PRE-DESPATCH INSPECTION & TESTS :
8.1-The pump set will be inspected and tested by WCL's representative/third party inspection agency at manufacturer's works before dispatch of the equipment to ascertain the conformity of the pump set to order specifications, relevant ISS. The pump will be tested as per IS:9137-1978 and IS:5120.
8.2-The manufacturer shall make available to the inspector, the required test facilities with necessary support for conducting the tests as per the ISS and supply order.
8.3-You shall make available to the inspector the following during the inspection.
(a) Copies of relevant ISSs.
(b)Material test certificate of the pump.
(c)All records of quality checks under QAP

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(d) Manufacturers test certificates for bought-out items.
10.0-DOCUMENTS TO BE SUBMITTED WITH SUPPLY
10.1-Dimensional drawing of offered pump indicating total weight in KG.
10.2-Assly drawings of the offered model pumps showing all the parts.
10.3-Characteristic curves of the offered pump at 1480 RPM between.
(i) discharge Vs . head
(ii) discharge Vs KW absorbed
(iii) discharge Vs efficiency
(iv) discharge Vs NPSH
10.4-Technical leaflets
10.5-Material test certificate of the pump.
10..6-Performance test report/pre-despatch inspection report of the pump set.
10.7-Installation, operation and maintenance instructions and spare parts catalogue.
10.8- General arrangement drawing of the offered starter showing overall dimensions.

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24/07/18

GENERAL TERMS AND CONDITIONS OF SUPPLY OF STORES

1. Definition; In the interpretation of the Contract and the general and special conditions governing it unless the context otherwise requires:
- a) “Contract” means the invitation of tender, instructions to tenderers, acceptance of tender, particulars and the general and special conditions specified in the acceptance of tender and includes a repeat order which has been accepted and acted upon by the supplier.
 - b) The term “SUPPLIER” shall mean the person, firm or company with whom the contract is placed and shall be deemed to include the supplier in successors (approved by the Purchaser) representatives, heirs, executors, administrators and permitted assignee as the case may be.
 - c) “CONTRACT PRICE” shall mean the sum accepted or the sum calculated in accordance with the price and / or terms accepted by or on behalf of the purchaser.
 - d) The Chairman – cum Managing Director means Chairman – cum Managing Director of Western Coalfields Limited, Nagpur
 - e) The term DRAWING shall mean the drawings, the plans specified in or annexed to the schedule of specification.
 - f) The term “PURCHASE EXECUTIVE” shall mean the purchaser or purchaser named in the schedule to the tender, his or their successors or assignees.
 - g) The term INSPECTOR shall mean any person nominated by or on behalf of the purchaser to inspect supplies, Stores or works under the contract or his duly authorized agent.
 - h) The term PROGRESS OFFICER shall mean any person nominated by or on behalf of the purchaser to visit supplier’s works to ascertain the position of deliveries of stores purchased.
 - i) The term MATERIALS shall mean anything used in the manufacture or fabrication of the stores.
 - j) The term PARTICULARS shall mean the following :
 - k) Specification
 - l) Drawing
 - m) Sealed pattern denoting a pattern sealed and signed by the inspector
 - n) Certified or sealed sample denoting a copy of the sealed pattern or sample sealed by the purchaser for guidance of the Inspector.
 - o) Trade pattern denoting a standard of the ISI or other standardizing authority of Western Coalfields Limited and / or a general standard of the Industry and obtainable in the open market.
 - p) Proprietary make denoting the product of an individual manufacturer
 - q) Any other details governing the construction, manufacturer and or supply as existing in the contract
 - r) STORES means the goods specified in the supply order or schedule which the contractor has agreed to supply under contract.
 - s) The term TEST shall mean such test or tests as are prescribed by the specification or considered necessary by the Inspector or any agency acting under direction of the Inspector.
 - t) The term SITE shall mean the place or places named in the SUPPLY ORDER or such other place or places at which any work has to be carried out as may be approved by the purchaser.
 - u) Works denoting the persons shall include any company or association or body of individuals whether incorporated or not.
 - v) WRITING shall include any manuscript, typewritten or printed statement under or over signature or seal as the case may be.
 - w) UNIT & QUALITY means the unit and quantity specified in the schedule.
 - x) SUPPLY ORDER or PURCHASE ORDER means an order for supply of stores and includes an order for performance.
 - y) The delivery of stores shall be deemed to take place on delivery of the stores in accordance with the terms of the contract after approval of stores by the Inspector to:
 - a. The consignee at his premises or
 - b. Where so provided the interim consignee at his premises or
 - z) A carrier or other persons named in the contract an interim consignee for the purpose of transmission to the consignee.
 - aa) The consignee at the destination station in case of contracts stipulated for delivery stores at destination station.
3. Words in the singular include the plural and vice-versa.
4. Words denoting the masculine gender shall be taken to include the feminine gender and work persons, shall include any company or association or body of individuals, whether incorporated or not.



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