

**ADDENDUM-2**

**DATE: 17.11.2022**

**Pay Loader Package for MSPGCL Bhusawal 1 X 660 MW TPS**

**Tender Ref: 77/22/6107/BPA**

**NIC Tender ID: 2022\_BHEL\_19177\_1**

**“Extension of due date for submission of offer”**

Due date for submission of Offer has been extended to 24.11.2022

Submission of offer by 1.00 PM on 24.11.2022

Opening of Techno commercial bid at 4.00 PM on 24.11.2022

Any further addendum such issued carry part of the bidding documents and this will be available at the web site from where the original documents have been received / downloaded by the bidder. Hence, bidders are requested to visit the web site on regular basis.

**The Pre-Bid Clarification-01 dtd. 17.11.2022 is enclosed.**

**For Further Queries if any, Contact:**

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**PROJECT: 1X660 MW, Unit-6,Bhusawal TPS**

**ENQUIRY NO. : 77/22/6107/BPA (NIC Tender ID: 2022\_BHEL\_19177\_1)**

**ITEM/ WORK: Pay Loader Package**

**Pre-Bid Clarification-1**

17.11.2022

SL. NO.	Clause No. / Pg. No	Clause Name	SPECIFICIATION	Bidder's Query/ Remarks	BHEL Remarks		
1	03.01.00/ 3 Of 11	Scope of Supply	<p><b>03.01.00</b> The scope for Pay Loader Package shall include design, detail engineering, submission of general arrangement drawing/ documents./ datasheets/ QAPs/ FQPs/PG test procedures/O&amp;M Manual, obtaining approval from MAHAGENCO/ MAHAGENCO's consultant/ BHEL, Manufacturing/ Fabrication, Inspection/ Shop floor testing &amp; painting, packing, supply of equipment including commissioning spares/kit, transportation to site, customs/port clearance (if any), erection/assembly, routine check-up, supply of the consumables, Trial Run, Commissioning, final painting/touch-up painting and handing over to MAHAGENCO at site, as described in contract specification.</p>	<p>Our offered model of Wheel Loader is a standard assembly line product dispatched from the factory in ready to use condition after necessary checks for consumables like oils, filters, radiator coolant etc. on receipt at site. As this equipment will be dispatched only after Pre-Dispatch Inspection (PDI) at the factory by competent authorities as per the terms &amp; conditions of the tender, there will be no final painting/touch up required at the consignee site. Kindly note that the procedure used for painting is oven baked type &amp; hence there is no need for final painting/touch up. Kindly waive/modify this clause suitably.</p>	<p>Bidder's query is noted and same is acceptable.</p>		
2	03.02.00/ 3 of 11	Broad Scope, SL.No.2	<table border="1"> <tr> <td>2</td> <td>Mandatory spares for Pay Loaders as per Annexure-4 of enclosures</td> </tr> </table>	2	Mandatory spares for Pay Loaders as per Annexure-4 of enclosures	<p>On account of the prevailing CEV-IV emission norms applicable to Wheel Loaders which comes under the purview of Construction Equipment Vehicles, there would be a requirement of certain addition mandatory spares while we are clubbing these spares on broad categories mentioned in Annexure-IV. The exact BOQ for the mandatory spares would be attached along with unpriced &amp; priced bid. The tooth points used on the bucket are weld-on type &amp; hence only the part no.s and price for the tooth points will be provided as there are no side cutter, nuts &amp; bolts required as consumables.</p>	<p>Noted. Further, bidder to note if as per OEM design/ manufacturing standard, system upgrade if any spare as listed in Annexure-4 is not applicable then for such spares bidder to consider equivalent spare. Bidder to also refer updated foot notes to Annexure-4</p>
2	Mandatory spares for Pay Loaders as per Annexure-4 of enclosures						
3	03.03.00/ 4 of 11	Broad Scope	<p><b>03.03.00</b> The scope of work shall also include supply of consumables like lubricants, oil, fuel, etc. change of filters (if required), supply of commissioning kit required for initial trial operation, Performance Guarantee demonstration and Handing Over to end customer. This also includes arranging necessary lifting equipment like hydra, manpower, tools &amp; tackles for assembling the pay loaders at site.</p>	<p>The equipment will be supplied with first fill of all the oils, however considering the safety requirements during transit a minimum quantity of 30L diesel against a refill capacity of 190L would be supplies with the equipment. Similarly the DEF tank will also be filled to 30% of the total refill capacity of 24L at the time of dispatch. We request BHEL/MAHAGENCO for providing top up of diesel &amp; DEF for further operations.</p>	<p>Noted, however bidder to consider cost of all top up of diesel &amp; DEF for further operations in bidder's scope and same may be procured at site.</p>		
4	03.05.00/ 4 of 11	Broad Scope	<p><b>03.05.00</b> Equipment shall be sent in factory fitted condition and complete machine shall be operated after filling lubricants, fuel, charging the battery etc. &amp; all the required procedures before initial starting. The scope also includes supply of commissioning spares required till handing over of the equipment.</p>	<p>Supply of all the oils &amp; lubricants except top up of diesel &amp; DEF would be under the scope of supply of the manufacturer. There is no requirement of any additional commissioning spares for the quoted equipment.</p>	<p>Noted, however bidder to consider cost of all top up of diesel &amp; DEF for further operations in bidder's scope and same may be procured at site.</p>		
5	03.06.00/ 4 of 11	Broad Scope	<p><b>03.06.00</b> Scope shall also include supply of special tools &amp; tackles. List of such special tools &amp; tackles shall be furnished by bidder along with offer.</p>	<p>A standard tool kit shall be supplied along with the quoted equipment, details of which will be shared along with the technical offer. There is no requirement of any special tools &amp; tackles for commissioning or regular operation.</p>	<p>Commissioning spares if required during handing over will be in bidder's scope and same to be decided by bidder accordingly.</p>		

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SL. NO.	Clause No. / Pg. No	Clause Name	SPECIFICATION	Bidder's Query/ Remarks	BHEL Remarks
6	03.09.00/4 of 11	Broad Scope	03.09.00 All drawing, data / documents furnished by bidder along with the offer shall be subjected to final approval of customer / consultant /BHEL during detailed engineering. If any changes are required during detailed engineering, same shall be done by bidder without any cost implication.	Our offered model of Wheel Loader is a standard assembly line product approved by statutory authorities like ARAI for road worthiness & for registration by the Ministry of Road Transport & Highways. We shall furnish detailed specification sheet & also provide our remarks against technical specifications of the tender. However, we will not be able to accommodate any major changes over & above our standard built product. Minor changes can be made based on mutual agreement.	Noted.
7	04.01.04/5 of 11	PAY LOADER TECHNICAL DATA SHEET	04.01.04 The diesel engine of the loader shall be of four-stroke direct fuel injection, turbo charged type with overhead valve and water-cooled construction. The engine shall be equipped with mechanical type all speed governor for speed control. The engine lubrication system shall be provided with suitable oil cooler. The engine cooling system shall be of the forced circulation type.	The applicable emission standards for Construction Equipment Vehicles under which the quoted equipment falls are CEV-IV. Under this standards, recommended fuel injection system is Common Rail Fuel Injection system with automatic fuel injection. In view of this, engine equipped with mechanical type all speed governor for speed control can't be provided. Request you to kindly take note of this & modify the clause accordingly.	Noted and bidder to ensure offered model of machine meets all tech spec, any advance/better technology compared to tech spec adopted are also acceptable. Similarly, it is bidder's responsibility to ensure compliance with all prevailing requirement of statutory authorities at the time of bid irrespective of whether same is categorically mentioned in the Tech spec or not.
8	04.01.08/5 of 11	PAY LOADER TECHNICAL DATA SHEET	04.01.08 The operator's canopy should be open type and shall be suitable for the operation to have a clear view on all sides.	As the operator's cabin proposed for the quoted equipment is enclosed type with the cabin door on left hand side for entry & exit of the operator. It will not be possible to provide open type canopy however due care has been taken to ensure clear view on all sides for the operator.	Noted. It is bidder's responsibility to ensure compliance with all prevailing requirement of statutory authorities at the time of bid irrespective of whether same is categorically mentioned in the Tech spec or not.
9	04.01.09/6 of 11	PAY LOADER TECHNICAL DATA SHEET	ii) Water temperature indicator with warning buzzer iii) Engine oil pressure indicator with warning buzzer v) Transmission oil pressure indicator with warning buzzer	ii) Visual indicator is provided on the dashborad/cluster however there would be no warning buzzer or audio signal. iii) Visual indicator is provided on the dashborad/cluster however there would be no warning buzzer or audio signal. v) Visual indicator is provided on the dashborad/cluster however there would be no warning buzzer or audio signal.	Noted a ROPS is provided.
10	04.01.10/6 of 11	PAY LOADER TECHNICAL DATA SHEET	04.01.10 The exhaust shall be provided with spark arrestor to avoid fire while working with coal.	As per the CEV-IV regulations, the engine exhaust has to pass through After Treatment System (ATS) consisting of Diesel Oxidative Catalyst (DOC) & Selective Catalytic Reduction (SCR) also known as Exhaust Gas Treatment System (EGTS). The exhaust is released only after passing through this system which suppresses any sparks produced, hence there is no need for any separate spark arrestor.	Noted

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11	04.02.06/ 7 of 11	PAY LOADER TECHNICAL DATA SHEET	04.02.06 During detail engg. bidder to strictly adhere to BHEL/MAHAGENCO drawing formats, document numbering, QP & FQP formats.	All the technical details including the technical specification sheet, responses to NIT, Quality assurance plan etc. would be furnished along with the bid. In case any further technical details are required by BHEL/MAHAGENCO, we request you to kindly seek this details from us before the price bid opening stage. We request you to kindly seek all these details during technical evaluation stage.	Noted.
12	04.02.07/ 7 of 11	PAY LOADER TECHNICAL DATA SHEET	04.02.07 Painting of all the equipment shall be as per MAHAGENCO's requirement.	We request you to kindly provide us the details of painting as per MAHAGENCO's requirement.	Bidder to note GA drg, Catalogue, technical data sheet and QAP needs to be submitted by successful bidder post award for BHEL/MAHAGENCO approval. Document submitted along with bid will be only taken for information.
13	05.01.00/ 7 of 11	QUALITY ASSURANCE	05.01.00 QUALITY ASSURANCE DOCUMENTS Bidder shall be required to submit following quality assurance documents within two weeks after dispatch of the equipment:	We shall provide our standard Quality Assurance Plan for the quoted equipment. We request you to kindly seek more information if required & freeze the plan during technical evaluation stage.	For wheel loader manufacturer standard painting is acceptable.
14	05.03.00/ 9 of 11	Inspection & Testing	05.03.00 INSPECTION & TESTING	We shall provide inspection checklist along with the offer. We request you to kindly seek clarifications or additional information required over & above the standard checklist to be finalized during technical evaluation stage/before price bid opening.	Bidder to note GA drg, Catalogue, technical data sheet and QAP needs to be submitted by successful bidder post award for BHEL/MAHAGENCO approval. Document submitted along with bid will be only taken for information.
15	BOQ Sl. No. 1.2	Mandatory spares		Kindly clarify , whether we have to put price as per item quantity given in the BoQ or is there any other interpretation . For example, 3.01 fuel filters - 2units is for the entire lot or not . Since, there's 8 machines are there we need to have the clarification ; is it per Lot or per machine wise . There's no proper clarity on this and it may have significant commercial impact if it is per machine & multiplied by 8 machines.	It is per lot and not machine wise.
16	BoQ Sl. No. 3.12			Break lining item is not available in our quoted product. So , what is to be done in this case while submitting BoQ . Is it ok if we put zero value & NOT QUOTED in the priced / unpriced item annexures.	Updated Annexure-4 Mandatory spares list with 'notes' is enclosed. This will supersede the Annexure-4 furnished in tender. Bidder to follow the same.

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17				WITH RESPECT TO BHEL TENDER FOR 8NOS., BL200-1, AS PER TENDER TECHNICAL CLAUSE NO. 1.5 & 1.6 IT HAS BEEN TOLD THAT "HANDLING MATERIAL: ROM coal, crushed coal, uncrushed & crushed limestone and gypsum" & "EQPT., WITH SUITABLE CAPACITY TO HANDLE THIS MATERIAL" TO BE SUPPLIED (CLAUSE 1.6). IN THIS REGARD, REQUEST TO TAKE UP WITH CUSTOMER TO "PROVIDE THE DENSITY OF MATERIAL TO BE HANDLED". SAME IS Asked by our R&D in order provide suitable bucket size for quoting against subject tender.	Following to be considered by bidders: Density of crushed and compacted coal in stockyard - 1200 kg/ m <sup>3</sup> Density of limestone: 1400 kg/m <sup>3</sup> Density of gypsum: 900 kg/m <sup>3</sup>
18				What is the commercial documents expected to be uploaded in Technical section ( as there are two RAR files to be enclosed ). Or is it unpriced annexure II & price bid format to be uploaded in commercial documents under Technical section . Is GST % needs to be mentioned in price bid format or has to be put "QUOTED" only for each item.	The following commercial documents (Part-1 bid) need to uploaded: 1. Compliance to addendum/ corrigendum to the tender (if any). 2. Documents in support of Pre-qualification requirements- Financial. 3. Notice Inviting Tender. 4. Special conditions of contract, SCC along with Annexures/ Appendix. 5. General conditions of contract, GCC. 6. Annexure-I to GCC. 7. Annexure-III to GCC 8. Annexure-XII to GCC. 9. Un-priced copy of Annexure-II 10. Un-priced bid The GST % may be mentioned in the upriced bid along with "QUOTED" against each item.
19	7.0/6 of 11	*INSTRUCTIONS TO BIDDERS 7.0 VALIDITY OF OFFER	iv) Unit prices for scope addition/deletion shall be valid till two years from the date of PO	Considering the current volatility in the interest rates, commodity prices, inflation, International Geo-political situations & exchange rates, we are facing challenges for any long term commitment with respect to the validity of prices quoted. Hence, we request you to kindly restrict the validity of the offer only for a period of 4 months from the date of bid submission. This will help us submit a competitive offer.	The Validity of offer before placing Purchase Order (PO) shall be four months from Part-I opening. After placement of PO, the Unit prices for scope addition/deletion shall be valid for the delivery schedule or any extension thereof.

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20		Applicability of TCS		Presently for the registrable construction equipment vehicles coming under the purview of motor vehicle act, Tax Collection at source (TCS) is applicable at the rate of 1% on Basic Price (Inclusive of Transportation) + GST as per the provisions of cases covered by section 206C(1F) - TCS on sale of motor vehicle. In view of this we request you to kindly incorporate provision of 1% TCS for the procurement of Pay Loader under various taxes & levies applicable.	Shall be as per statutory laws/act.
21		Registration of the quoted Payloader		As the quoted equipment comes under the purview of registrable assets under the motor vehicle act in the category of construction equipment vehicle, the user may like to register the equipment with the RTO at Bhusawal i.e., the place of use. We would like to clarify that our responsibility in the process of registration of the equipment would be limited to issuance of Temporary Registration Certificate on the RTO specified against furnishing insurance policy as a proof of insuring the asset by you.	Noted. However, Insurance shall be as per Cl. No. 8 of SCC.

**1x660MW Bhusawal TPS Annexure-4**  
**List of minimum Mandatory spares for 3T Pay loaders**

SL NO	DESCRIPTION	QTY	UOM
1	FUEL FILTER	2	set of each type and size
2	LUB OIL FILTER	2	set of each type and size
3	AIR FILTER ASSY	2	set of each type and size
4	HYD FILTER	2	set of each type and size
5	O Ring	2	set of each type and size
6	T/M FILTER	2	set of each type and size
7	BREATHER	2	set of each type and size
8	TOOTH POINT with side cutter, bolts & nuts	4	sets
9	SEAL KIT	2	set of each type and size
10	HOSE ASSY	2	set of each type and size
11	HOSE	2	set of each type and size
12	BRAKE LINING	4	set of each type and size
13	STRAINER	2	set of each type and size
14	BUSHING	2	set of each type and size
15	SEAL DUST	4	set of each type and size
16	Aalternator assy	2	set of each type and size
17	Self starter Assy	2	set of each type and size
18	Fan Belt	2	set of each type and size
19	Water pump Assy	2	set of each type and size

<b>Notes:</b>			
<p>1. Unless stated otherwise a 'set' means items or sub-items required for each type/size range of the assembly/ sub-assembly, required for replacement in one main equipment. It is further intended that the assembly/ sub-assembly which have different orientation (like left hand or right hand, top or bottom), different direction of rotation or mirror image positioning or any other reasons which result in maintaining two different sets of the spares to be used for the subject assembly/ sub-assembly, these shall be considered as different types of assembly/ sub-assembly.</p>			
<p>2. Wherever quantity has been specified as percentage (%), the quantity of mandatory spares to be provided by contractor shall be the specified percentage (%) of the total population of the plant. In case the quantity so calculated happens to be a fraction, the same shall be rounded off to next higher whole number.</p>			
<p>3. Whenever the quantities have been indicated for each type, size, thickness, material, radius, range etc., these shall cover all the items supplied and installed and the breakup for these shall be furnished in the bid.</p>			
<p>4. In case spares indicated in the list are not applicable to the particular design offered by the bidder, the bidder should offer spares applicable to offered design with quantities generally in line with the approach followed in the above list.</p>			
<p>5. Price of each and every item is to be given separately.</p>			
<p>6. If any item appears in more than one place same shall be considered by the bidder irrespective of duplicity and price shall be considered accordingly.</p>			
<p>7. Bidder shall not indicate 'Not applicable' against any of the spare (except for those items for which 'if applicable' is specified). In case of not applicability, functionally equivalent spare to be mentioned with price in the relevant price schedules</p>			