

PRE BID QUERIES – MODERNISATION / AUGMENTATION OF FACILITIES AT NAVAL DOCKYARDS AND NAVAL SHIP REPAIR YARDS

<u>RFP Reference</u>					<u>Description</u>	<u>Firms's Query</u>	<u>Comments/ Clarification</u>
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1.	2	NA	2	a	2a. For the purposes of this RFP and the acquisition contract (if any) signed by the Ministry of Defence with a successful vendor, indigenous content shall be defined under paragraphs 1 and 2 of Appendix F to Chapter 1 of DPP-13. In addition, reporting requirements for prime (main) vendors (and for sub vendors reporting to higher stages/tiers) shall be as prescribed under paragraphs 3 and 4 thereof. The right to audit vendors/sub vendors shall vest with the Ministry of Defence as prescribed under paragraphs 5 and 6; and aspects of delivery, certification, payments, withholding of payments, and imposition of penalties shall be as prescribed under paragraphs 7 to 12 thereof. Furthermore, vendors will be required to submit their indigenisation plan in respect of indigenous content as stipulated in Para 7 to Appendix F to Chapter I of DPP-13.	Please note the Indigenous Content aspects failing which the Buyer shall forfeit the amounts withhold including the Performance and Warranty BG. Also Seller may be banned for a period of 5 years. Please ascertain clarity on the threshold limit in terms of the indigenous requirements and the same is not clear.	Buy Indian must have minimum 30% indigenous content on cost basis as per Para 4 of Chapter I of DPP-13.
2.	3	Part I	4	NA	4. Delivery Schedule. The equipment needs to be supplied to Naval Dockyards at Mumbai (Mbi) and Visakhapatnam (Vzg), and Naval Ship Repair Yards at Karwar (Kar), Kochi (Koc), and Port Blair (Pbr). The details of equipment and schedule of delivery at each Yard/ Location are placed at Appendix A1 to this RFP. The supply, trial, commissioning and user acceptance for all the equipment is to be completed <u>within</u> 30 (Thirty) months from the date of signing of contract.	It is compulsory to quote all the items in the Tender?	Yes, the firm needs to supply all the items as per the Para 4 of the RFP.
3.	3/ 89	Part I/ App D	6 / 12	NA	Engineering Support Package (ESP) / Comprehensive Annual Maintenance Contract (CAMC) After the specified warranty and CAMC period, the Indian Naval Technicians would be required to repair and maintain the equipment during its exploitation. To enable this process, an appropriate recommended list of ESP(MRLS, SMT/SMEs,SMTs)from OEM would be required to be provided by the supplier. For this purpose, the general concept of the repair and maintenance of equipment followed by the Indian Navy is given at Appendix D . The information on the Engineering Support Package that is required to be provided is enclosed at Annexure I to IV to Appendix 'D' . After the specified warranty period, the 'I' and 'D' level of maintenance as well as break down maintenance would have to be provided by the Seller under an onsite Comprehensive Annual Maintenance (CAMC) (including spares, both consumable and permanent nature) for a period of five (05) years. The CAMC would be based on terms and conditions elaborated at Appendix 'D' and include all equipment supplied by the Seller. The details of AMC proposals must also be submitted separately by the vendor with technical aspects being included in the technical offer and commercial aspects being included in the commercial offer. All equipment supplied under the proposed contract is to be maintained on site by the supplier through a Comprehensive Annual Maintenance Contract (inclusive of spares and labour) post warranty of 12 months for a duration of 05 (five) years. As the warranty shall be affected on completion of successful installation, Commissioning and acceptance of trials by the user, the CAMC shall commence on completion of warranty period.	Average Running Hours per month are required for all equipment for correct estimation of CAMC and spares (for 05 years) price by the Bidder. Buyer is requested to provide details.	The requirement of spares for CAMC to be worked out based on the OEMs technical manuals and recommendations as per Para 13 of the Appendix D to the RFP.

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4.	5	Part I	14	(a)	In the subject RFP, the vendor is required to sign and submit pre contract integrity pact (IP) given at Annexure I to Appendix G and shall also deposit Rs. 5Cr (Rupees Five Crores only) as Integrity Pact Bank Guarantee (IPBG) through any of the instruments mentioned therein. This would be submitted in a separate envelope clearly marked as 'IP and IPBG' at the time of submission of Technical and commercial offers.	What is the EMD amount for above TE?	The vendor is required to submit an Integrity Pact Bank Guarantee for an amount of Rs 5 Crs at the time of submission of its Technical and Commercial offers in accordance with Para 17 of RFP.
5.	5	Part I	16	NA	The reply to Pre-Bid queries will be forwarded to all concerned vendors by post/fax/email/ published on website.	Please inform us Pre-Bid Meeting Date	The reply to Pre-Bid queries will be forwarded to all concerned vendors by post/fax/email/ published on website in accordance with Para 16 of the RFP.
6.	6	Part II	23	NA	If there is any associated optional equipment on offer that should also be indicated separately along with the benefit that are likely to accrue by procuring such optional equipment. Should the vendor be contemplating any upgrades or modifications to the equipment being offered, the details regarding these should also be included in the Technical Proposal.	As per provision of the RFP, the bidder may quote for optional item in his bid. However, it is not clear whether or not quoted price of optional items will be considered for selection of L1. Buyer is requested for necessary clarification.	As per Para 1.2 of Appendix F of RFP, L1 will be determined on the basis of quoted cost of all items.
7.	10	Part IV	34	(d)	Financial Standing. The firm should have an average annual financial turnover of Rs 50Cr in the last three years (FY 2016-17, 2015-16, and 2014-15).	We request for this figure to be made INR 10 Crs. Please note that we are SME / MSME with high technical competence. We have project financing credit line available through NSIC&PNB to execute large size projects. For Indian Air Force we executed successfully single project worth 6 Crs+.	To be as per Para 34(d) of the RFP.
8.	13	App A	2(b)(ii)	(aa)	(ii) Pick - n- Carry Duty. Minimum 4km/hr Over Front (aa) Minimum 20MT at minimum 5.0m radius with fully retracted boom length of maximum 11M	For healthy completion, the same please be considered Minimum 16 MT at minimum 4 m Radius with fully retracted boom	Capacity is to be as per Para 2(b)(ii)(aa) of Appendix A to the RFP. * Note below also refers
9.	13	App A	2(b)(ii)	(ab)	(ab) Minimum 5MT at 12.0m radius with boom length of approximately 21m	For healthy completion, the same please be considered 2.4 MT with boom length of app.20mtr. instead of 5MT with boom length of 21m.	To be as per Para 2(b)(ii)(ab) of Appendix A to the RFP. * Note below also refers
10.	13	App A	2(b)	(iii)	(iii) All lifting capacities to be specified at 85% of tripping load	75% of Trip Load may also be considered.	Tripping load is to be as per Para 2(b)(iii) of Appendix A to the RFP. * Note below refers
11.	13	Appx A	2	(c)	Engine. Shall be a water cooled four stroke diesel engine. The Engine shall comply to latest emission norms and shall have BS-IV or latest at the time of submission of bids.	It may be noted that ruling of Hon'ble Supreme Court (I.A. Nos.504, 508, 506, 507 dated 08 th May, 2017, copy attached), Construction Equipment Vehicle (CEV) are exempted from ban imposed by Hon'ble Supreme Court on	To be as per Para 2 (c) of Appendix A to the RFP.

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						<p>use of automobiles vehicles with engine category of BS III or below.</p> <p>This ruling was issued as most engine manufacturers doesn't manufacture engine to such high capacities that are required for use in Construction Equipment Vehicles such as Rough Terrain Mobile Cranes.</p> <p>Buyer is therefore requested to accept "S III category" for Engine of 75 Ton Crane.</p>	
12.	13	App A	2(d)	(i)	<p>Telescopic Boom: Minimum four section trapezoidal full power boom, telescoping sections side on adjustable and replaceable low friction wear pads.</p>	<p>For healthy competition, U Shape also be considered along with trapezoidal or it should be as per manufacturer standard. As this is the manufacturer design and every manufacturer have their own design as per their patent. However, functional requirement will be maintained.</p>	<p>Telescopic Boom is to be as per Para 2(d)(i) of Appendix A to the RFP</p>
13.	13	App A	2(d)	(ii)	<p>Telescopic Boom. Boom length of fully retracted boom shall not be more than 11m.</p>	<p>It may be noted that for both 75 Ton and 40 Ton cranes, desired boom length of fully retracted boom is mentioned maximum 11m. However, as 75 Ton cranes is bigger in size the length of fully retracted boom is generally in the range of 11.5 to 13.5 meter as per OEM's designs..</p> <p>Buyer is requested to accept fully retracted boom length of maximum 13.5 meter in case of 75 Ton Crane.</p>	<p>Boom length is to be as per Para 2(d)(ii) of Appendix A to the RFP.</p> <p>* Note below also refers</p>
14.	14	App A	2	(g)	<p>Tyres. Shall be earth mover type and designed by OEM</p>	<p>29.5 X 25 - 28 PR - E3 Tread earthmover tyres.</p>	<p>To be as per Para 2(g) of Appendix A to the RFP.</p> <p>* Note below also refers</p>
15.	14	App A	2	(j)	<p>Drive. 4 X 4 and 4 X 2 Selectable</p>	<p>4X4 / 4X2</p>	<p>To be as per Para 2(j) of Appendix A to the RFP.</p> <p>* Note below also refers</p>
16.	14	App A	2	(k)	<p>Outriggers. Shall Have Hydraulic single stage double box telescopic beam and outrigger jacks with integral holding valves. All steel fabricated quick release type outrigger floats.</p>	<p>4 hydraulically telescoping beams with jacks having integral holding valves positioned 2 nos. in each outrigger housing. Provides steel fabricated quick release type outrigger float for each jack. Independent control of each outrigger beam located in cab on front dash panel along with level indicator.</p>	<p>To be as per Para 2(k) of Appendix A to the RFP.</p> <p>* Note below also refers</p>

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17.	14	App A	2(s)	(ii)	360 deg mechanical house lock with alarm	Mechanical house lock operated from cab over front and does not have alarm.	To be as per Para 2(s)(ii) of Appendix A to the RFP. * Note below also refers
18.	14	App A	2(s)	(iii)	Miscellaneous Standard Safety Features. Audio and Visual Alarm while the crane is moving in the reverse direction as well as carrying out the operation	Audio and Visual alarm in reverse direction can be provided. However, RFP stipulates requirement of Audio and Visual Alarm whilst carrying out operation too. Buyer is requested to specify for which particular operation of crane, Audio and Visual alarm is sought.	Alarms are to be provided as per Para 2(s)(iii) of Appendix A to the RFP. * Note below also refers
19.	14	App A	2	(t)	Panting. The crane shall be painted with two coats of finished paint over one coat of primer painting. The painting shall be powder coating IS-5 Colour code 632 texture finish. The crane should be painted in the yellow.	Powder coated as per International standard may also be considered since IS-5 is Indian standard Regarding colour, the same may please be as manufacturers standard instead restricting it to only Yellow.	Painting is to be as per Para 2(t) of Appendix A to the RFP.
20.	15	App A	3	(b)(i)	Capacity: Outriggers Fully Extended Minimum 40 ton at working radius of 03 meters. The load should not included the weight of the hook block	Weight of the hook block is not considered for load calculations by most crane manufacturers. It may be noted that except Para 3(b)(i) of Appendix A of the RFP, weight of hook is not considered at Para 3(b)(ii), Para 3(b)(iii) and Para 3 (b)(iv) of Appendix A. It is also worthwhile to note that condition of weight of hook is not mentioned in case of 75 Ton Crane. Buyer is therefore requested to remove condition of inclusion of weight of hook block from Para 3(b)(i) of the RFP to be consistent with other technical details mentioned at Para 3(b) of Appendix A.	The load should not include the weight of the hook block as per Para 3(b)(i) of Appendix A to the RFP.
21.	15	App A	3	(b)(ii)	Capacity: Outriggers Fully Extended Crane shall be able to lift below hook a load of minimum 21 T at a boom length of 15 meters and at a radius of minimum 5 meters over 360° slew range	Bidder is finding it difficult to match this specification. OEM of 40 Ton Crane has offered below three options: a) Crane shall be able to lift below hook a load of minimum 19.5 T at a boom length of minimum 15 meters and at a radius of minimum 5 meters over 360 deg slew range. b) Crane shall be able to lift below hook a load of minimum 21 T at a boom length of minimum 12 meters and at a radius of minimum 5 meters over 360 deg slew range.	Crane Capacity shall be as per Para 3(b)(ii) of Appendix A to the RFP. * Note below also refers

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						c) Crane shall be able to lift below hook a load of minimum 21 T at a boom length of minimum 15 meters and at a radius of minimum 4.5 meters over 360 deg slew range. Buyer is requested to accept any one of the options mentioned above.	
22.	15	App A	3(b)	(v)	(v) All lifting capacities to be specified at 85% of tripping load	75% of Trip Load may also be considered.	All lifting capacities to be specified at 85% of tripping load as per 3(b)(v) of Appendix A to the RFP.
23.	15	App A	3	(c)	Engine. Shall be a water cooled four stroke diesel engine. The Engine shall comply to latest emission norms and shall have BS-IV or latest at the time of submission of bids.	It may be noted that ruling of Hon'ble Supreme Court (I.A. Nos.504, 508, 506, 507 dated 08 th May, 2017, copy attached), Construction Equipment Vehicle (CEV) are exempted from ban imposed by Hon'ble Supreme Court on use of automobiles vehicles with engine category of BS III or below. This ruling was issued as most engine manufacturers doesn't manufacture engine to such high capacities that are required for use in Construction Equipment Vehicles such as Cranes. Buyer is therefore requested to accept "S III category" for Engine of 40 Ton Crane	To be as per Para 3 (c) of Appendix A to the RFP.
24.	15	App A	3(d)	(i)	Telescopic Boom: Maximum four section trapezoidal full power boom, telescoping sections side on adjustable and replaceable low friction wear pads.	For healthy competition, U Shape also be considered along with trapezoidal or it should be as per manufacturer standard. As this is the manufacturer design and every manufacturer have their own design as per their patent. However, functional requirement will be maintained.	To be as per Para 3(d)(i) of Appendix A to RFP.
25.	16	App A	3	(j)	Drive. Shall have 4 X 4 and 4 X 2	4X4 / 4X2	To be as per Para 3 (j) of Appendix A to the RFP. * Note below also refers
26.	16	App A	3	(k)	Outriggers: Shall have Hydraulic single stage double box telescopic beam and outrigger jacks with integral holding valves. All steel fabricated quick release type outrigger floats.	4 hydraulically telescoping beams with 'Inverted' jacks with integral holding valves positioned two nos. in each outrigger housing. Provides steel fabricated quick release type outrigger float for each jack.	To be as per Para 3 (k) of Appendix A to the RFP. * Note below also refers
27.	16	App A	3	(m)	Hoisting. Power up and down equal speed, grooved drum, planetary reduction, with automatic spring applied multi-disc	Two speed hoist with counter balance valve provided to take care of controlled	To be as per Para 3 (m) of Appendix A to the RFP.

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					brake non-spin hoist rope.	load lowering and pendent limit switch on boom head prevents over hoisting. Additionally hoist drum is fitted with third wrap indicator to prevent over-lowering. Hoist unit is having spring applied, hydraulically released multi-disc brake (fail-safe)	* Note below also refers
28.	16	App A	3	(p)	Brakes. Shall have dual braking system, full hydraulic operating on all wheels. Spring applied, hydraulic released parking brake operating on front axle.	Crane is provided with foot operated dual line hydraulic service brake acting on all wheels. Spring applied, hydraulically released parking brake operating on front axle also provided.	Brakes are to be as per Para 3 (p) of Appendix A to the RFP. * Note below also refers
29.	16	App A	3	(q)	Travel Speed. : Minimum 20 Kmph	30 kmph Max	To be as per Para 3 (q) of Appendix A to the RFP. * Note below also refers
30.	16	App A	3	(r)	Safety System: Standard Load Moment Indicator (SLI) and anti-two block system with audio-visual warning and control lever lockout in case of overload. The system should provide electronic display of radius, boom length, boom angle, relative load moment, maximum permissible load, load indication and warning of impending two block conditions.	The crane is fitted with electronic load moment indicator (LMI) which provides electronic display of boom angle , length, radius, permissible load, actual load and audio-visual warning of over-load (including approach to over-load) & motion cut in case of over-load.	Safety system is to be as per Para 3 (r) of Appendix A to the RFP. * Note below refers
31.	16	App A	3(s)	(ii)	360 deg mechanical house lock with alarm	Mechanical house lock operated from cab over front and does not have alarm	To be as per Para 3 (s)(ii) of Appendix A to the RFP. * Note below refers
32.	16	App A	3(s)	(iii)	Miscellaneous Standard Safety Features. Audio and Visual Alarm while the crane is moving in the reverse direction as well as carrying out the operation.	Audio and Visual alarm in reverse direction can be provided. However, RFP stipulates requirement of Audio and Visual Alarm whilst carrying out operation too. Buyer is requested to specify for which particular operation of crane, Audio and Visual alarm is sought.	Audio and visual alarm are to be provided as per Para 3(s)(iii) of Appendix A to the RFP. * Note below refers
33.	16	App A	3	(t)	Painting. The crane shall be painted with two coats of finished paint over one coat of primer painting. The painting shall be powder coating IS-5 Colour code 632 texture finish. The crane should be painted in the yellow paint	Powder coated as per International standard may also be considered since IS-5 is Indian standard Regarding colour, the same may please be as manufacturers standard instead restricting it to only Yellow.	Painting is to be as per Para 3 (t) of Appendix A to the RFP.
34.	16	App A	4	NA	4. A Mobile Diesel Alternator set with nominal rating of minimum 1MW and output voltage of 380-440V at 50 Hz frequency, 3Phase with suitable AVR, control panel along with standard accessories along with containerised acoustic	Please clarify the voltage of the Alternator required.	Voltage required is from 380 V to 440 V, as per RFP.

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					(g) Alternator - The generator shall be horizontal and foot mounted, 1 MW (matched to the prime mover), 415 volts, 3 phase, 4 wire, 0.8 pf, 50 Hz self excited, self regulated, brushless AC generator, suitable for minimum ambient temperature of 45 degcentigradewithIP-23 (minimum) protection.		
35.	17	App A	4 (a)(iv)	(aa)	<p>Diesel Engine</p> <p>General The overhaul periodicity of the Engine should be as follows :- (aa) Mean timebetweenTopoverhaul Minimum 15,000hours</p>	<p>Bidder is finding it difficult to find DG set with this specification. Most OEMs of DG sets are willing to offer 10000 -12000 Hrs as top overhaul timing.</p> <p>Buyer is therefore requested to accept Mean Timebetween Top overhaul as 10000 to 12000 hours</p>	<p>Mean time between Top overhaul is to be minimum 15,000 hours, as Para 4 (a)(iv)(aa) of Appendix A to the RFP.</p>
36.	17	App A	4 (a)(iv)	(ab)	<p>GeneralThe overhaul periodicity of the Engine should be as follows :- (ab) Mean time between major over haul Minimum 30,000 hours</p>	<p>Bidder is finding it difficult to find DG set with this specification. Most OEMs of DG sets are willing to offer 18000 -20000 Hrs as top overhaul timing.</p> <p>Buyer is therefore requested to accept Mean Time between major over haul as 18000 to 20000 hours</p>	<p>Mean Time between major overhaul is to be minimum 30,000 hours as Para 4 (a)(iv)(ab) of Appendix A to the RFP.</p> <p>* Note below also refers</p>
37.	17	App A	4	(b)	<p>Starting System : Should comprise of suitably designed electrical starter mounted on engine with suitable set of maintenance free batteries of reputed make to be mounted in trays (having rubber insulation) on the main frame with in-built charging unit, should have the provision to charge the battery from external source during static condition and while running of the generator by providing change over switch on the control panel</p>	<p>We will supply suitable set of Lead acid type batteries with inbuilt charging unit but change over switch will not be provided for External source during static condition. Hope the same is acceptable to you.</p>	<p>To be as per Para 4(b) of Appendix A to the RFP. Change over switch is required for static charging of batteries.</p> <p>* Note below also refers</p>
38.	17	App A	4(c)	(i)	<p>Instrumentation for Engine Control Panel</p> <p>(i) Lub oil pressure gauge</p>	<p>Mechanical Gauges are prone to manual error are redundant these days. All DG sets models available in the markets come with digital indication of parameters on the control panel. Digital Indication is a superior and current trend compare to mechanical gauges. Lube oil pressure reading too is available on the control panel.</p> <p>Buyer is requested to accept this point.</p>	<p>Lub oil pressure gauge is to be provided as per Para 4 (c) (i) of Appendix A to the RFP.</p> <p>* Note below also refers</p>
39.	17	App A	4(c)	(ii)	<p>Instrumentation for Engine Control Panel</p> <p>(ii) Lub oil temperature gauge</p>	<p>Engine Temperature is being monitored through coolant temperature and therefore Lub Oil temperature gauge is not applicable.</p>	<p>Lub oil temperature gauge is to be provided as per Para 4 (c) (ii) of Appendix A to the RFP.</p> <p>* Note below also refers</p>

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						<p>Mechanical Gauges are prone to manual error are redundant these days. Reading of coolant temperature is available on DG control panel in digital form. As a safety measure, coolant high temperature cut out is also present in the DG control panel.</p> <p>Buyer is requested to accept this point.</p>	
40.	17	App A	4(c)	(iii)	Instrumentation for Engine Control Panel (iii) Fresh water pressure gauge	<p>This is not applicable in design as coolant is being used in the DG set.</p> <p>Buyer is requested to accept this point</p>	<p>Fresh water pressure gauge to be provided as Para 4 (c) (iii) of Appendix A to the RFP.</p> <p>* Note below also refers</p>
41.	17	App A	4(c)	(iv)	Instrumentation for Engine Control Panel (iv) Fresh water temperature gauge	<p>This is not applicable as coolant is being used in the DG set.</p> <p>Mechanical Gauges are prone to manual error are redundant these days. Reading of coolant temperature is available on DG control panel in digital form.</p> <p>Buyer is requested to accept this point.</p>	<p>Fresh water temperature gauge is to be provided as per Para 4 (c) (iv) of Appendix A to the RFP.</p> <p>* Note below also refers</p>
	17	App A	4(c)	(v)	Instrumentation for Engine Control Panel (v) Fuel pressure gauge	<p>This is not applicable as Lube oil pressure is being monitored for safety of engine.</p> <p>Mechanical Gauges are prone to manual error are obsolete these days. Reading of Lube Oil pressure is available on DG control panel in digital form.</p> <p>Buyer is requested to accept this point.</p>	<p>Fuel pressure gauge is to be provided as per Para 4 (c) (v) of Appendix A to the RFP.</p> <p>* Note below also refers</p>
	17	App A	4(c)	(vi)	Tachometer (mechanical) and Tacho Hour Meter	<p>Electronic display for speed and hour meter shall be provided on engine control Panel.</p>	<p>Tachometer (mechanical) and Tacho Hour Meter is required as per Para 4(c)(vi) of Appendix A to the RFP.</p>
42.	17	App A	4(c)	(viii)	Instrumentation for Engine Control Panel (viii) Ammeter	<p>This is not applicable as Current readings are available on the control panel of DG set in digital form.</p> <p>Buyer is requested to accept this point.</p>	<p>Required as per Para 4 (c)(viii) of Appendix A to the RFP.</p>
43.	17	App A	4 (d)	(i)	Safety Controls for Engine (i) Low Lub oil pressure cut out	<p>This is not applicable as Lube oil is being used in DG set. As a safety measure, coolant high temperature cut out is present in the DG control panel.</p> <p>Buyer is requested to accept this point.</p>	<p>Required as per Para 4 (d)(i) of Appendix A to the RFP.</p>

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44.	17	App A	4	(g)	Alternator: The generator shall be horizontal and foot mounted, 1 MW (matched to the prime mover), 415 volts, 3 phase, 4 wire, 0.8 pf, 50 Hz self excited, self regulated, brushless AC generator, suitable for minimum ambient temperature of 45 degcentigradewithIP-23 (minimum) protection.	Please note all alternator manufacturers design their machine with class H insulation & temperature rise limited to Class H @40 deg. amb. temp only, hope H to H @40deg C ambient temp is acceptable to you, however if you require H to H @ 45 deg specific requirement, we need to consider the higher size alternator please clarify & confirm.	To be as per Para 4(g) of Appendix A to the RFP.
45.	18	App A	4 (g)	(i)	Alternator (i) VoltageTolerance	The governor specifications of the DG sets worldwide are defined as per ISO 8528 As per ISO 8528, Governor class to be classified as G1, G2 or G3 depending on user's requirement. Generally, G2 based DG sets are most popular and cost effective DG sets considered suitable for shore requirements. G3 or Marine based DG sets are considered expensive and used mostly onboard ships. Buyer is requested to specify governor category G1, G2 or G3 so that bidder can quote accordingly.	The voltage tolerance and frequency requirement are to be as per Para 4(g) (i) and (ii) of Appendix A to the RFP.
46.	18	App A	4 (g)	(ii)	(ii) Frequency:-		
47.	18	App A	4 (g)	(iii)	Cooling - Shall be Self ventilated natural air cooled alternator	Cooling System shall be Engine Mounted Radiator cooled. Hope the same is suitable to you.	To be as per Para 4 (g) (iii) of Appendix A to the RFP. * Note below also refers
48.	18	App A	4 (g)	(vii)	Hand Voltage Regulator Hand voltage regulator shall be provided on control panel and Generator voltage shall be adjusted manually	1. Shall the bidder consider Hand Voltage Regulator and Voltage Adjustment Knob as the same provision for manual adjustment of voltage?	Hand Voltage Regulator as per Para 4 (g)(vii) of Appendix A to the RFP is required.
49.	18	App A	4(g)	(x)	Over Speed -Engine driven generators and their auxiliaries shall be designed to withstand, without excessive noise vibration or damage, unloaded operation for a period of Minimum 05 minutes at a speed either 20% in excess of the nominal speed or 10% in excess of the prime mover over-speed trip setting, whichever is the greater.	Our DG set is suitable to comply 10% of excess of Prime mover speed trip setting only.	Trip speed is to be as per Para 4 g(x) of Appendix A to the RFP. * Note below also refers
50.	20	App A	4	(k)	Wiring - Flexible FRLS type insulated copper wiring as per IS 694-1990 with working voltage up to 1100 volts and of Anchor/Finolex/RR/Havells make shall be used for all control wiring.	We shall be considered the wiring required for our integrated system within Acoustic Enclosure / Container only. Please confirm.	Flexible FRLS type insulated copper wiring to be used for all control wiring as per Para 4(k) of Appendix A to the RFP.
51.	20	App A	4	(l)	Voltage Adjustment Knob Facility to adjust voltage output of alternator by tuning of AVR shall be provided on the control panel. A trimming pot shall also be provided which shall be connected to be central channel module.	Buyer is requested for clarifications. It may be noted that Voltage Adjustment Knob is not mentioned in case of 500 KW DG set in the RFP.	Voltage adjustment knob is required as per Para 4 (l) of Appendix A to the RFP.

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52.	20	App A	4	(m)	Over/Under Voltage Cut-outs. Over voltage and under voltage cutouts to be provided	Point not understood	Over/Under Voltage Cut-outs are required as per Para 4 (m) of Appendix A to the RFP.
53.	20	App A	4 (q)	(vii)	Trailer (vii) The trailer should have an earthing point and be provided with suitable 50 m cable with required plugs for input & output supply. There should be storage boxes with suitable locking arrangements for storage of tools, mechanical jack and spare wheel; suitable reels are to be provided/ mounted on the trailer for storage of cables and air hoses	We will provide Earthing point only Earth pit & Earthing strips are not in our scope. And Hope Power cable not in our scope of work, if yes then please confirm the size and number of runs required.	To be as per Para 4 (q)(vii) of Appendix A to the RFP. * Note below also refers
54.	21	App A	5 (a)(v)	(aa)	Diesel Engine General (v) The overhaul periodicity of the Engine should be as follows:- (aa) Mean time between Top over haul minimum 15,000 hours	Bidder is finding it difficult to find DG set with this specification. Most OEMs of DG sets are willing to offer 10000 -12000 Hrs as top overhaul timing. Buyer is therefore requested to accept Mean Time between Top over haul as 10000 to 12000 hours	To be as per Para 5 (a)(v)(aa) of Appendix A to the RFP.
55.	21	App A	5 (a)(v)	(ab)	General (v) The overhaul periodicity of the Engine should be as follows:- (aa) Mean time between major over haul minimum 30,000 hours	Bidder is finding it difficult to find DG set with this specification. Most OEMs of DG sets are willing to offer 18000 -20000 Hrs as top overhaul timing. Buyer is therefore requested to accept Mean Time between major over haul as 18000 to 20000 hours	Mean Time between major overhaul is to be as per Para 5 (a)(v)(ab) of Appendix A to the RFP.
56.	21	App A	5	(b)	Should comprise of suitably designed electrical starter mounted on engine with suitable set of maintenance free batteries of reputed make to be mounted in trays (having rubber insulation) on the main frame with in-built charging unit, also, it should have the provision to charge the battery from external source during static condition and while running of the generator by providing change over switch on the control panel.	We will supply suitable set of Lead acid type batteries with inbuilt charging unit but change over switch will not be provided for External source during static condition. Hope the same is acceptable to you.	To be as per Para 5(b) of Appendix A to the RFP. Change over switch is required for static charging of batteries. * Note below also refers
57.	21	App A	5 (c)	(i)	(i) Lub oil pressure gauge	Mechanical Gauges are prone to manual error are redundant these days. All DG sets models available in the markets come with digital indication of parameters on the control panel. Lube oil pressure reading too is available on the control panel. Digital Indication is a superior and current trend compare to mechanical gauges. Buyer is requested to accept this point.	Mechanical/ Digital gauge To be as per Para 5 (c)(i) of Appendix A to the RFP are acceptable. * Note below also refers
58.	21	App A	5 (c)	(ii)	(ii) Lub oil temperature gauge	Engine Temperature is being monitored through coolant temperature and therefore Lub Oil temperature gauge is not applicable.	To be as per Para 5 (c)(ii) of Appendix A to the RFP are acceptable. * Note below also refers

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						<p>Mechanical Gauges are prone to manual error are redundant these days. Reading of coolant temperature is available on DG control panel in digital form. As a safety measure, coolant high temperature cut out is also present in the DG control panel.</p> <p>Buyer is requested to accept this point.</p>	
59.	21	App A	5 (c)	(iii)	(iii) Fresh water pressure gauge	<p>This is not applicable in design as coolant is being used in the DG set.</p> <p>Buyer is requested to accept this point</p>	To be as per Para 5 (c)(iii) of Appendix A to the RFP.
60.	21	App A	5 (c)	(iv)	(iv) Fresh water temperature gauge	<p>This is not applicable as coolant is being used in the DG set</p> <p>Mechanical Gauges are prone to manual error are redundant these days. Reading of coolant temperature is available on DG control panel in digital form.</p> <p>Buyer is requested to accept this point.</p>	To be as per Para 5 (c)(iv) of Appendix A to the RFP.
61.	22	App A	5 (c)	(v)	(v) Fuel pressure gauge	<p>This is not is not applicable in design as Lube oil pressure is being monitored for safety of engine.</p> <p>Mechanical Gauges are prone to manual error are obsolete these days. Reading of Lube Oil pressure is available on DG control panel in digital form.</p> <p>Buyer is requested to accept this point.</p>	To be as per Para 5 (c) (v) of Appendix A to the RFP.
62.	22	App A	5(c)	(vi)	Tachometer (Mechanical) and Tacho Hour Meter	<p>Electronic display for speed and hour meter shall be provided on engine control Panel.</p>	Required as per Para 5 (c) (vi) of Appendix A to the RFP.
63.	22	App A	5(c)	(vii)	Starting Switch		Required as per Para 5 (c) (vii) of Appendix A to the RFP.
64.	22	App A	5 (c)	(viii)	(viii) Ammeter	<p>This is not applicable as Current readings are available on the control panel of DG set in digital form.</p> <p>Buyer is requested to accept this point.</p>	Required as per Para 5 (c)(viii) of Appendix A to the RFP. Digital meter is also acceptable.
65.	22	App A	5 (d)	(ii)	<p>Safety Controls for Engine</p> <p>(ii) High fresh water temperature cutout.</p>	<p>This is not is not applicable as Lube oil temperature is being monitored for safety of engine. As a safety measure, coolant high temperature cut out is present in the DG control panel.</p> <p>Buyer is requested to accept this point.</p>	Required as per Para 5(d)(ii) of Appendix A to the RFP.

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66.	21/2 2	App A	5	(g)	A Mobile Diesel Alternator set with nominal rating of minimum 500 KW and output voltage of 380-440V at 50Hz frequency, 3Phase with suitable AVR, control panel along with standard accessories along with Containerised acoustic (g) Alternator : The generator shall be horizontal and foot mounted, 500 KW (matched to the prime mover), 380-440 volts, 3 phase, 4 wire, 0.8 pf, 50 Hz self excited, self regulated, brushless AC generator, suitable for minimum ambient temperature of minimum 45 deg C with IP-23 (minimum) protection.	Please clarify the voltage of the Alternator required.	Voltage required is from 380 V to 440 V, as per Para 5(g) of Appendix to the RFP.
67.	22	App A	5	(g)	(g) Alternator : The generator shall be horizontal and foot mounted, 500 KW (matched to the prime mover), 380-440 volts, 3 phase, 4 wire, 0.8 pf, 50 Hz self excited, self regulated, brushless AC generator, suitable for minimum ambient temperature of minimum 45 deg C with IP-23 (minimum) protection.	Please note all alternator manufacturers design their machine with class H insulation & temperature rise limited to Class H @40 deg. Amb. temp only, hope H to H @40deg C ambient temp is acceptable to you, however if you require H to H @ 45 deg specific requirement, we need to consider the higher size alternator please clarify & confirm.	To be as per Para 5 (g) of Appendix A to the RFP.
68.	22	App A	5 (g)	(i)	Alternator (i) Voltage Tolerance	The governor specifications of the DG sets worldwide are defined as per ISO 8528. As per ISO 8528, Governor class to be classified as G1, G2 or G3 depending on user's requirement. Generally, G2 based FG sets are most popular and cost effective DG sets fit for shore establishments. G3 based DG sets are considered expensive and used extensively onboard ships.	The voltage tolerance and frequency requirement as per Para 5(g) (i), (i)(ad) of Appendix A to the RFP should be met by the Seller.
69.	22	App A	5 (g)	(i)	Alternator (i)(ad) Frequency	Buyer is requested to specify governor category G1, G2 or G3 so that bidder can quote accordingly	* Note below also refers
70.	22	App A	5 (g)	(ii)	Cooling: Shall be self ventilated natural air cooled alternator.	Cooling System shall be Engine Mounted Radiator cooled. Hope the same is suitable to you.	Cooling system to be as per Para 5 (g) (ii) of Appendix A to the RFP. * Note below also refers
71.	23	App A	5	(ix)	Over Speed: Engine driven generators and their auxiliaries shall be designed to withstand, without excessive noise vibration or damage, unloaded operation for a period of minimum 05 minutes at a speed either 20% in excess of the nominal speed or 10% in excess of the prime mover over-speed trip setting, whichever is the greater.	Our DG set is suitable to comply 10% of excess of Prime mover speed trip setting only.	Over Speed is to be as per Para 5 (ix) of Appendix A to the RFP. * Note below also refers
72.	24	App A	5	(k)	Wiring : Flexible FRL type insulated copper wiring as per IS 694-1990 with working voltage upto 1100 volts and of Anchor or Finolex or RR or Havells make is to be used for all control wiring.	We shall be considered the wiring required for our integrated system within Acoustic Enclosure / Container only. Please confirm.	Wiring is to be as per Para 5(k) of Appendix A to the RFP.

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73.	24	App A	5	(I)	Over/Under Voltage Cut-outs. Over voltage and under voltage cutouts shall be provided	Point not understood	Over/Under Voltage Cut-outs required as per Para 5 (I) of Appendix A to the RFP.
74.	25	App A	5(p)	(vii)	Trailer : (vii) The trailer should have an earthing point and be provided with minimum 50 m cable with required plugs for input & output supply. There should be storage boxes with suitable locking arrangements for storage of tools, mechanical jack and spare wheel; suitable reels are to be provided/ mounted on the trailer for storage of cables and air hoses	We will provide Earthing point only Earth pit & Earthing strips are not in our scope. And Hope Power cable not in our scope of work, if yes then please confirm the size and number of runs required.	To be as per Para 5(p)(vii) of Appendix A to the RFP. * Note below also refers
75.	26	App A	6(h)	(i)	Battery Voltage – 80 V	Indian Manufacturers are offering platform trucks with battery voltage of 72 V. It is hereby confirmed that battery with voltage of 72 V will not affect the overall performance or functionality of the machine in anyway. Provision of 80 Volts battery and relevant charger, which are not standard accessories, will have additional financial implications for the buyer. It is confirmed that battery Voltage will not affect the performance of Forklift. It is therefore requested that battery voltage of both 80 V and 72 V be accepted	To be as per Para 6(h)(i) of Appendix A to the RFP. * Note below also refers
76.	27	App A	7 (a)	(ii)	Capacity Load Centre : Approx 900 mm	This may please consider as per manufacturer design standard.	To be as per Para 7(a) (ii) of Appendix A to the RFP.
77.	27	App A	7	(b)	Engine Suitable 4 stroke, radiator water cooled diesel engine complete with all standard accessories, Gauges and meters. Engine shall be Indigenous Make confirming to relevant IS/BS specifications. The details of the engine shall be indicated in the Technical offer for evaluation	Engine make may please be amended to as per manufacturers standard, however, the same shall confirm to relevant IS/BS specification	To be as per Para 7(b) of Appendix A to the RFP.
78.	27	App A	7 (h)	(i)	(i) Service Brakes. - Pneumatic operated, internal expanding shoe and drum type	Hydraulic Brake as per manufacturers standard may also be accepted instead pneumatic brake .	Service Brakes should be Pneumatic operated, internal expanding shoe and drum type as per Para 7(h) (i) of Appendix A to the RFP. * Note below also refers
79.	27	App A	7 (h)	(ii)	(ii) Parking Brakes. - Spring operated with pneumatic release	Manual Brake (Inside expanding) as per manufacturers standard may also be accepted instead pneumatic release.	Parking brakes should be Spring operated with pneumatic release as per Para 7(h)(ii) of Appendix A to the RFP. * Note below also refers
80.	27	App A	7	(j)	Performance Right Angle Stacking Aisle Width (load width : 2300 mm ; Load length : LL) - Right Angle Stacking Aisle Width (load width : 2300 mm ; Load length : LL)	The dimension may please be amended to as per manufacturers standard	Dimensions are to be as per Para 7(j) of Appendix A to the RFP. * Note below also refers

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81.	30	App A	9(j)	(ii)	Motor Arrangement : B 3	It is B35	B 3 as per Para 9(j)(ii) of Appendix A to the RFP. * Note below also refers
82.	30	App A	9(j)	(vi)	Speed : 1450 rpm or as per design	The speed may please be amended to as per manufacturers design up to 3000RPM	Speed is to be as per Para 9(j)(vi) of Appendix A to the RFP .
83.	30	App A	9(k)	(i)	Electrical Control Panel (i) One in no. non flame proof control panel having (Programmable control) PLC with touch screen display and fully automatic start / stop operation, specific parameters displaying and supervising all operation parameters shall be provided. Shut down in case of deviation from specified operation. The display shall be touch screen display with minimum 5 inch QVGA LCD (320X240) pixel, monochrome (8 grey scale) with backlight. The specification/ technical data of the control panel shall be as follows:-	The configuration of control panel in case of LPAC is similar to what is mentioned for control panel for HPAC in the RFP. It may be noted that whilst HPAC is customized (made on order) equipment, LPAC is COTS equipment. OEMs of LPAC have their unique design and are not willing to disturb their established product line and accommodate a new design of control panel. Further, any new design of control panel will increase the cost significantly. Buyer is therefore requested to accept "Standard Control Panel with LCD display" for LPAC.	To be as per Para 9 (K) of Appendix A to the RFP.
84.	32	App A	10(a)	(i)	No. of stage : Minimum Four (04)	5 Stage	Stages to be minimum 04 as per Para 10(a)(i) of Appendix A to the RFP.
85.	32	App A	10 (a)	(iii)	(iii) Capacity under suction conditions - 150 M ³ /hr (minimum) (The Capacity shall be 150 M ³ /hr Considering purge losses in Air Dryer Unit)	It is not clear whether the Free Air Delivery at the Dryer outlet has to be minimum 150 m ³ /hr or at the Compressor outlet has to be minimum 150 m ³ /hr. This confirmation has an impact on the compressor sizing because if the Free Air Delivery at the Dryer outlet has to be minimum 150 m ³ /hr, then the Free Air Delivery at compressor outlet has to be much higher to accommodate the purge losses in the regenerative dryer. Buyer is requested for clarification	Free Air Delivery at the Dryer outlet has to be minimum 150 m ³ /hr as per Para 10(a)(iii) of Appendix A to the RFP.
86.	32	App A	10(a)	(vi)	Discharge pressure (at air dryer outlet) : Minimum 400 Bar	Please note that here DODY is referring that the discharge pressure at the air dryer outlet has to be minimum 400 bar, so the capacity of 150 m3/hr (minimum) should also be at the dryer outlet. This makes it logical that the capacity and pressure is measured at the outlet of the dryer unit.	Should be at the outlet of the dryer as per Para 10(a) (vi) of Appendix A to the RFP. * Note below refers
87.	33	App A	10 (b)	(vi)	Prime Mover Speed : 1450 RPM or as per design	The same please be considered as per manufacturers design max.1500RPM otherwise, this will restrict competition.	Speed as per Para 10(b)(vi) of Appendix A to the RFP is 1450 rpm or as per design.

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88.	33	App A	10 (b)	(x)	Make : GE or Crompton Graves or Siemens or Narhari or Elmot or any other make approved by Navy	PI also include LHP, ABB, Bharat Bijlee in the approved maker's list	Make should be as per Para 10(b)(x) of Appendix A to the RFP.
89.	33	App A	10 (c)	(i)	Compressor Specification (i) Crankcase with crankshaft seal for suction pressure up to 10 bar abs	Please note that the suction pressure referred in the tender specification is atmospheric pressure which means 1.013 bar abs and since the suction pressure is atmospheric pressure the crankcase is also designed for atmospheric pressure i.e 1.013 bar abs and not elevated pressure. This has no effect on the performance of the HPAC. Buyer is requested to accept this point.	The crankcase suction pressure be taken as atmospheric pressure as per Para 10 (a) (iv) of Appendix A to the RFP.
90.	33	App A	10(c)	(iv)	(iv) Oil pressure gauge and level sight glass	Requirement of Oil Pressure Gauge and Level Sight Glass is a obsolete design. Considering the requirement of a PLC based controller (which is as per RFP) in HPAC, oil pressure reading is available on the PLC control panel through the pressure sensors. In addition, dip stick is also provided for manual check. Further, low lube oil pressure cut out (Shut down) is also available in HPAC as a safety measure. This design has no impact on the performance of HPAC. Buyer is requested to accept this point.	To be as per Para 10(c)(iv) of Appendix A to the RFP.
91.	33	App A	10(d)(i v)	(aa)	(iv) Automatic condensate drain consisting of:- (aa) Condensate receiving tank with level sight glass	Sight glass on a condensate collecting tank under slung the trolley is prone to damages during transportation and trolley movement within dockyard premises and hence is recommended to be avoided. Instead, a transparent condensate collecting tank can be provided which is better option from safety point of view. This design has no impact on the performance of HPAC. Confirmation required from Buyer for acceptance of a transparent condensate receiving tank.	Condensate receiving tank with level sight glass is to be provided as per Para 10(d)(iv)(aa) of Appendix A to the RFP.
92.	33	App A	10(d)(i v)	(ab)/(ac)	(ab) Diaphragm valve on each separator (ac) Manual Drain valve on condensate tank of minimum 30 litres.	Pneumatically actuated solenoid valve on each separator for condensate draining which is a better option than manual operation. This design has no impact on the performance of HPAC.	To be as per Para 10(d)(iv)(ab)/(ac) of Appendix A to the RFP.

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						Confirmation required from Buyer for this point	
93.	33	App A	10 (d)	(iv) (ad)	Temperature gauge after each stage of air, panel mounted	Digital indication on PLC screen / touch screen with state of art may also included along with gauges, as this vary manufacturer to manufacturer. However, functional requirement will be maintained.	Temperature gauge are to be provided as per Para 10(d)(iv)(ad) of Appendix A to the RFP in addition to gauges in PLC control panel. * Note below also refers
94.	34	App A	10(d)(iv)	(ae)	(ae) Pressure gauge after each stage, panel mounted	Considering the requirement of a PLC based controller (which is as per RFP) in HPAC, pressure readings are available on the PLC control panel through the pressure sensors. Mechanical Gauges are redundant and prone to more errors compare to digital control system. This design has no impact on the performance of HPAC. Confirmation required from Buyer for this point.	Pressure gauge is to be provided as per Para 10(d)(i)(ae) of Appendix A to the RFP. * Note below also refers
95.	34	App A	10 (d)(iv)	(af)	(af) Relief valve after each stage	Relief valve at last stage may also be considered as per manufacturer design, this will not restrict the competition.	Relief valve after each stage is required as per Para 10 (d) (af) of Appendix A to the RFP. * Note below also refers
96.	34	App A	10	(e)	(e) Electrical Control Panel - One in no. non flame proof control panel having (Programmable control) PLC with touch screen display and fully automatic start / stop operation, specific parameters displaying and supervising all operation parameters shall be provided. Shut down in case of deviation from specified operation. The display shall be touch screen display with minimum 5 inch, QVGA LCD (320X240) pixel, monochrome(8 grey scale), with backlight.	Since these compressors are trolley based, we also propose for relay based control panel since they are reliable, operator friendly and suitable for rough usage. Kindly note that PLC based panel can also be offered for the subject requirement as specified; however they are not operator friendly, as reliable as Relay based panel.	PLC based control panel is required as per Para 10(e) of Appendix A to the RFP. * Note below also refers
97.	34	App A	10(e)	(i)	(i) One in no. non flame proof control panel having (Programmable control) PLC with touch screen display and fully automatic start / stop operation, specific parameters displaying and supervising all operation parameters shall be provided. Shut down in case of deviation from specified operation. The display shall be touch screen display with minimum 5 inch, QVGA LCD (320X240) pixel, monochrome(8 grey scale), with backlight.	TFT display touch screen with 5,7" QVGA colour is provided. This display is better in terms of quality and performance than the display panel required as per RFP. Confirmation required from Buyer for this point.	To be as per Para 10(e)(i) of Appendix A to the RFP. * Note below also refers

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98.	34	App A	10(f)	(iv) to (vii)	<p>(iv) Atmospheric dew point : Minimum (-) 55⁰ C or as per OEM Design (v) Cycle (Total) : Minimum 20 min (vi) Drying period : Minimum 10 min (vii) Regeneration period : Minimum 10 min</p>	<p>The main purpose of specifications of Cycle, Drying Period and Regeneration Period is to ensure that Atmospheric Dew Point of minimum (-55) Deg C is achieved. However, as different designs are available in the market it is not possible for all OEMs to maintain Cycle, Drying Period and Regeneration Period as per the RFP but Atmospheric Dew Point of minimum (-55) Deg C can be achieved. This will have no effect on the overall performance of the equipment. Therefore, Cycle, Drying Period and Regeneration Period as per OEM design shall be accepted. Confirmation required from Buyer for this point.</p>	<p>Specifications of Cycle, Drying Period and Regeneration Period as per Para 10(f) (iv) to (vii) Appendix A to the RFP and needs to be met by the Seller. * Note below also refers</p>
99.	35	App A	10	(g)	<p>Cable Drum with 50 Mtrs Cable Cable drum with minimum 50 mtrs EBXL Electrical Cables shall be provided.</p>	<p>Normal cable is considered sufficient for HPAC. Use of EBXL cable will increase the cost for the buyer. It Buyer is requested to confirm whether Normal Supply cable for providing of power supply to HPAC is acceptable or not.</p>	<p>The Seller needs to supply minimum 50 mtrs EBXL cables as per Para 10(g) of Appendix A to the RFP. * Note below also refers</p>
100	35	App A	10 (h)	(i)	<p>Hose Reel and Storage Cylinder - (i) Hose Drum and three in numbers High Pressure Hose, each 30 mtr long, minimum working pressure 400 bar, 19 mm ID SAE R9 or R10 with end connections</p>	<p>Size/design of the HP hose should be as per OEM design to maintain 400 bar pressure in the mobile system. Condition of 19 mm ID SAE R9 or R10 (size of nozzle) will restrict the OEMs to achieve 400 bar. Buyer is requested to accept hoses with "19 mm ID SAE R9 or R10 or as per OEM design"</p>	<p>The requirement of Hose drum and three in no. High Pressure Hose are as per Para 10(h)(i) Appendix A to the RFP and needs to be met by the Seller. * Note below also refers</p>
101	35	App A	10(h)	(ii)	<p>(ii) Two in no. Storage Cylinder of minimum 50 litres capacity (water volume) each for service pressure of 400 bar.</p>	<p>Operation of 2 storage cylinder is not clear from the RFP specifications. Can OEM use two HP air storage cylinders in parallel with only one common HP inlet (from the HP air dryer) and one common outlet line (from the HP air storage cylinder)? Confirmation required from the Buyer on the operation of two cylinders</p>	<p>Storage cylinders to be provided as per Para 10(h)(ii) Appendix A to the RFP. * Note below also refers</p>
102	35	App A	10(h)(ii)	(ad)	<p>Hose Reel and Storage Cylinder (ad) Test Pressure : Minimum 670 bar</p>	<p>Some of the manufacturers design is at 660 Bar. Please consider the same for healthy competition.</p>	<p>The Test Pressure should be 670 Bar as per Para 10 (h)(ii)(ad) of Appendix A to the RFP. * Note below also refers</p>

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103	36	App A	10 (h)(ii)	(af)	(af) Inspection : LRS or ABS or DNV or CCOE	Cylinder will be manufactured as per CCOE approved design.	To be as per Para 10 (h) (af) of Appendix A to the RFP. * Note below also refers
104	36	App A	10	(j)	Other Accessories - (i) Shall have provision for hand turning of HPAC and suitable safe guards to avoid accidents	Please note that the HP Air Compressor will be bolted/ fixed to the Trolley Chassis but space will be provided for maintaining the HP air compressor system. For transmission of torque from electric motor to compressor, flywheel, pulleys with V belts will be provided with Belt Guards from all sides as per EN 12100. In HPAC, the Belt Guards are covered from both sides as per the guidelines of EN 12100 Norms for Safety & Protection. That means primary, no moving parts are accessible while unit is running for preventing injuries to the users. Buyer is requested to accept this point.	To be as per Para 10(j) of Appendix A to the RFP. * Note below also refers
105	36	App A	10 (k)	(iv)	Trailer (iv) Tow bar at the front and hook on rear to be provided along with spare wheel.	Spare wheel already mentioned in (k)(iii), we feel it is repeated . Please confirm the same.	Only one spare wheel is required as per Para 10 (k)(iv) of Appendix A to the RFP. * Note below also refers
106	36	App A	10(k)	(vii)	(vii) The trailer shall have an earthing point and be provided with minimum 50 m cable with required plugs for input & output supply. There should be storage boxes with suitable locking arrangements for storage of tools, mechanical jack and spare wheel.	Flexible unarmoured cable with copper conductor may be considered instead of instead of EBXL cable & we understand from our experience that Indian Navy is usually using the same in existing HP Air Compressor systems.	To be as per Para 10(k) (vii) of Appendix A to the RFP. * Note below also refers
107	37	App A	10	(l)	One no. portable Air lab Test Equipment shall be supplied for measuring following :- (i) Carbon Monoxide - in ppm (ii) Carbon Dioxide - in ppm (iii) Oil Mist - mg/m ³ (iv) Water Vapour - mg/m ³	One in no. test equipment at each location will be provided i.e. 1 for Mumbai, 1 for Vizag, 1 for Karwar and so on...	As per Para 10(l) of Appendix A to the RFP, one portable Air lab test equipment is to be supplied at each delivery location.
108	37	App A	10 (n)	(i)	<u>Additional Requirement</u> (i) Air bottle is to be fitted inside the canopy and not under chassis of the compressor to avoid restriction while transporting	Placement of the air bottles will be as per OEM layout design.	To be as per Para 10 (n) (i) of Appendix A to the RFP.
109	37	App A	10 (n)	(iv)	Additional Requirement (iv) Louvers for internal cooling (keeping compressor running during rainy season) shall be provided	Provision of louvers is dependent on the design of the canopy including doors and which should restrict ingress of water during rains. Our design of the canopy including doors and the sealing will be so that the ingress of rain water will be	Louvers for internal cooling (Running during rainy season) shall be provided as per Para 10(n)(iv) of Appendix A to the RFP. * Note below also refers

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						restricted and the compressor could be run without closing the doors during rainy season. Therefore louvers are not applicable for our design. Buyer is requested to accept this point.	
110	38	App A	11(c)	(i)	Control Characteristics (i) Rectifying Circuit System : 4 nos of 3 phase full wave fully controlled 6-pulse bridge forming a 24-pulse rectification	Some of the manufacturer design is with 2 nos. of 3 Phase full wave fully controlled 6-pulse bridge forming a 12 pulse rectification., kindly include the same	Rectifying Circuit System is to be as per Para 11(c)(i) of Appendix A to the RFP.
111	38	App A	11(c)	(iii)	(iii) Control Range : 10% to 100%	If you can kindly consider range of 25% - 100% instead of 10%-100% , kindly confirm your acceptance	Control Range needs to be 10% to 100% as per Para 11(c)(iii) of Appendix A to the RFP.
112	38	App A	11(c)	(iv)	Operating Range : Voltage 200 to 400 v; current 100 Amps to 1000 Amps	If you can kindly consider range of 250Amp-1000Amp instead of 100Amp-1000Amp , kindly confirm your acceptance	Current range to be 100 to 1000 Amps as per Para 11(c)(iv) of Appendix A to the RFP.
113	40	App A	11(p)	(vii)	(vii) The trailer shall have an earthling point and be provided with minimum 50 mtrs cable with required plugs for input & output supply. There should be storage boxes with suitable locking arrangements for storage of tools, mechanical jack and spare wheel; suitable reels are to be provided/ mounted on the trailer for storage of cables.	Kindly confirm the type of cable and exact length. Do we have to supply 50mtrs Cables Per Phase or 50Mtrs total?)	To be as per Para 11(p)(vii) of Appendix A to the RFP.
114	40	App A	12	(a)	Nominal power (kVA) : 400 Active power (KW) : 360	Is rated KW required at DC voltage also?	The rated Power requirement will as per Para 12 (a) of Appendix A to the RFP
115	41	App A	12	(a)	Batteries Type - VRLAAGM/GEL; NiCd; Super Caps; Li-ion	Buyer is requested to specify use of Battery and minimum battery backup period. Please clarify Scope of supply for Batteries will be in our scope	The backup time to be as per OEM design. * Note below also refers The batteries are to be supplied by the seller.
116	41	App A	12	(a)	Info for Installation Moving of UPS – Trans parallel	Meaning is not clear. Buyer is requested to clarify this point.	Moving of UPS should be Trans parallel as per Para 12(a) of Appendix A to the RFP.
117	51 - 54	App A	NA	NA	(a) Input Source	Detail technical specification of output of DG set is as below:- (i) Rated Voltage : 440 V (± 10%), AC (ii) Rating : 1010 KVA, 1485 Amps (iii) No of Phases : 3-Phase Will in your scope only? (b) Is Rated making capacity 80 KA is suitable instead of 143K (c) Losses will be as per IS 11170 standards instead of IS: 2026	The seller should supply the equipment as per technical specification given at Para 15 of Appendix A to the RFP.

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						(d) HT Switchgear Panel & Mechanism. Kindly confirm we can supply the Schneider Make FBX-CT2 RMU against requirement of RM6-NE- DI	
118	54	App A	16	(a)	Capacity - Minimum 1000KW with select rating PF 0.8 & Unity, M-Load at any PF between 0 – 0.4 PF along with 85% mixed load at 0.8 PF.	Buyer is requested to confirm whether unity/0.8/0.4 power factor instead of 0-0.4 will be acceptable for its requirement?	To be as per Para 16 (a) of Appendix A to the RFP.
119	54	App A	16	(c)	Load Bank Supply Voltage : DC-220 to 360 Volts , AC-380 Volts, 415 Volts and 460 Volts, 3Ph, 3 Wire.	Please confirm capacity at 220V and 360V – guessing it will not be 3000kW, maybe 1000kW?	Capacity is to be as per Para 16(a) and (c) of Appendix A to the RFP.
120	55	App A	16	(m)	Controls: PLC controlled type along with manual control.	Kindly consider manual control provision through PLC.	PLC control along with manual control should be available as per Para 16(m) of Appendix A to the RFP.
121	55	App A	16	(p)	Material: The body of the load bank shall be of CRCA. The protection shall be minimum IP 55.	IP 31 may also be considered.	The protection shall be minimum IP 55 as per Para 16(p) of Appendix A to the RFP.
122	55	App A	16	(s)	Name Tallies: Name plates for different units, sub units controls and indicating instruments shall be provided. Identification plates shall be provided for control panel and other associated units/sub units. Material : Stainless Steel	Anodized Aluminum Labels instead of Stainless steel may be please considered as per OEM standard.	To be as per Para 16(s) of Appendix A to the RFP.
123	55	App A	16	(v)	Power Factor: Unity/0.8/ from 0-0.4 any PF for M load tests.	It cannot be in the form of range .It should be @ unity, 0.8 & 0.4 power factor instead of 0-0.4. Kindly confirm your acceptance.	To be as per Para 16(v) of Appendix A to the RFP. * Note below also refers
124	55	App A	16	(y)	Load Selection -Three modes of operation (unity, 0.8 pf, 0-0.4 lag pf). In addition direct generator loading in steps of 5% at 0.8 pf and 120% at unity pf.	Buyer is requested to confirm whether 25%, 50%, 70%, 75%, 100%, 110% & 120% AC load selection is acceptable for its requirement?.	Load selection is to be as per Para 16 (y) of Appendix A to the RFP.
125	56	App A	16(ad)	(ii)	Control Panel and Cabling Load bank control panel as per loading specification panels. Suitable IP 55 protection for each equipment.	Each equipment shall be IP 55 but unit as a whole shall be IP-30. (for outdoor application)Kindly confirm your acceptance.	To be as per Para 16(ad)(ii) of Appendix A to the RFP.
126	57	App A	16	(ah)	Alarm Logging: Shall have enough storage to log alarms for minimum 300 hrs of operation.	Log storage will be applicable for running data. And these data will be store in laptop or computer.	To be as per Para 16(ah) of Appendix A to the RFP. * Note below also refers
127	57	App A	16	(al)	Painting -All equipment foundations, systems, control panels shall be powder coated and mobile trolley shall be painted with two coats of anti corrosive paint and a final coat of paint.	Buyer is requested to confirm whether Epoxy Paint in place of powder coating will be acceptable or not?	Painting is to be as per Para 16 (al) of Appendix A to the RFP.
128	57	App A	17	(a)	Capacity - Minimum 3000KW with select rating PF 0.8 & Unity, M-Load at any PF between 0 – 0.4 PF along with 85% mixed load at 0.8 PF.	Buyer is requested to confirm whether unity/0.8/0.4 power factor instead of 0-0.4 will be acceptable for its requirement?	To be as per Para 17 (a) of Appendix A to the RFP.
129	58	App A	17	(m)	Controls: PLC controlled type along with manual control.	Kindly consider manual control provision through PLC.	PLC control along with manual control should be available as per Para 17 (m) of Appendix A to the RFP.

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130	58	App A	17	(p)	Material: The body of the load bank shall be of CRCA. The protection shall be minimum IP 55 protection.	IP 31 may also be considered.	The protection shall be minimum IP 55 as per Para 17(p) of Appendix A to the RFP.
131	58	App A	17	(s)	Name Tallies: Name plates for different units, sub units controls and indicating instruments shall be provided. Identification plates shall be provided for control panel and other associated units/sub units. Material : SS.	Anodized Aluminium Labels instead of Stainless steel may be please be considered as per OEM standard.	To be as per Para 17(s) of Appendix A to the RFP.
132	58	App A	17	(v)	Power Factor: Unity/0.8/ from 0-0.4 any PF for M load tests.	It cannot be in the form of range range .It should be @ unity , 0.8 & 0.4 power factor instead of 0-0.4. Kindly confirm your acceptance.	To be as per Para 17(v) of Appendix A to the RFP. * Note below also refers
133	59	App A	17	(y)	Load Selection - Three modes of operation (unity, 0.8 pf, 0-0.4 lag pf). In addition direct generator loading in steps of 5% at 0.8 pf and 120% at unity pf.	Buyer is requested to confirm whether 25%, 50%, 70%, 75%, 100%, 110% & 120% AC load selection is acceptable for its requirement?.	Load selection is to be as per Para 17 (y) of Appendix A to the RFP.
134	59	App A	17(ad)	(ii)	Load bank control panel as per loading specification panels. Minimum IP 55 protection for each equipment.	Each equipment shall be IP 55 but unit as a whole shall be IP-30. (for outdoor application)Kindly confirm your acceptance	To be as per Para 17(ad) (ii) of Appendix A to the RFP.
135	60	App A	17	(ah)	Alarm Logging: Shall have enough storage to log alarms for approx 300 hrs of operation.	Log storage will be applicable for running data. And these data will be store in laptop or computer.	Alarm logging is to be as per Para 17(ah) of Appendix A to the RFP.
136	60	App A	17 (al)	(i)	Painting (i) All equipment foundations, systems, control panels shall be powder coated and mobile trolley shall be painted with two coats of anti corrosive paint and a final coat of paint.	Buyer is requested to confirm whether Epoxy Paint in place of powder coating will be acceptable or not?	Painting is to be as per Para 17 (al)(i) of Appendix A to the RFP.
137	60	App A	17 (al)	(ii)	(ii) All hardware shall be zinc chromate/ yellow passivated of IS: 1367 Gr.10.9 or better grade.	Buyer is requested to specify which part of the equipment is required to be manufactured with Zinc chromate/ yellow passivated of IS: 1367 Gr. 10.9 or better grade.	All fasteners on Mobile Trolley as per IS 1367 as per Para 17 (al)(ii) of Appendix A to the RFP.
138	61	App A	18(b)	(vi)	Cabin (vi) Chassis shall meet all latest (at the time of submission of Bid) CPCB and motor vehicle standards (minimum BS-IV, or latest at the time of bid submission)	Euro IV or US IV is applicable in case of Foreign OEMs, which is equivalent to BSIV. Buyer is requested to accept this point.	BS-IV or latest at the time of bid submission as per Para 18(b)(vi) of Appendix A to the RFP.
139	62	App A	18	(g)	Working Width Working width with central brush (Minimum) – 1400 mm	Kindly accept 1300mm working width with central brush (Minimum) otherwise it will restrict competition However, functional requirement shall be met Kindly confirm your acceptance.	To be as per Para 18(g) of Appendix A to the RFP.
140	62	App A	18	(g)	Central cylindrical brush diameter (Minimum) – 600 mm	Kindly accept 500 mm Central cylindrical brush diameter (Minimum) or it should be	To be as per Para 18(g) of Appendix A to the RFP.

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						as per manufacturer standards meeting the functional requirement. Kindly confirm your acceptance.	
141	62	App A	18	(h)	Waste Hopper Capacity (Minimum)	This thing varies from one OEM to other, hence, it should be as per manufacturer standards. Kindly confirm your acceptance.	To be as per Para 18(h) of Appendix A to the RFP.
142	62	App A	18	(h)	Maximum Hopper Dumping Height	This thing varies from one OEM to other, hence, it should be as per manufacturer standards .Kindly confirm your acceptance.	Dumping height to be as per Para 18(h) of Appendix A to the RFP.
143	62	App A	18	(m)	Length (Maximum)	This thing varies from one OEM to other, hence, it should be as per manufacturer standards. Kindly confirm your acceptance.	Dimensions are to be as per Para 18(m) of Appendix A to the RFP.
					Machine Width (Maximum)		
					Machine Height during work (Maximum)		
144	63	App A	18	(m)	Maximum weight during transfer conditions – 4500 Kg	Fixing the weight will restrict the competition among equipment manufacturer, as each manufacturer will have different weight as per their manufacturing practice. We would request you to kindly accept the weight as per manufacturer standard meeting functional requirement. Kindly confirm your acceptance.	To be as per Para 18(m) of Appendix A to the RFP.
145	64	App A	19(l)	(i)	Pick-up Sweeping Head/ (Regenerative Air Sweepers Only) (i) Minimum of 87 inches wide with 2 inches abrasion resistant steel shoes or runners, heavy duty 3/8" thick wall rubber hoses attaching to hopper, quick disconnect on suction hose only, suspended from a minimum of 4 adjustable springs one on each corner of pick-up head	Every sweeper manufacturer has its own design. Therefore, we will provide our suction nozzle Design with different dimensions without any effect on sweeping efficiency. of the machine. Buyer is requested to accept this point.	To be as per Para 19(l)(i) of Appendix A to the RFP. * Note below also refers.
146	66	App A	20 (h)	(i)	CABIN (i) Shall have all the controls of engine and the ladder platform.	It seems to be wrong Specification. Only vehicle Engine & PTO control is available inside the Cabin, No controls of the Aerial Ladder Platform are ever provided in vehicle Cabin , as all the Platform function are controlled by control function provided at Turntable & in the cage. <u>You are requested to kindly accept only vehicle & PTO control inside the cabin. Kindly confirm.</u>	To be as per Para 20(h)(i) of Appendix A to the RFP. * Note below also refers

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147	67	App A	20(h)	(iv)	(iv) Controls for all drive and platform control functions shall be cabin mounted.	<p>It seems to be incorrect Specification, as Controls for all Platform functions are provided both at the Turntable and in the Cage as per standard manufacturing practice.</p> <p>Platform function control are not required to be available in the Cabin, it should be at the Turntable and in the cage, as all the operation pertaining to Aerial Ladder Platform are to be controlled by control function available at Turntable & in the cage.</p> <p>We would request you to kindly accept all the control for all platform function at the Turntable & in the cage. Kindly Confirm.</p>	To be as per Para 20(h)(iv) of Appendix A to the RFP.
148	68	App A	20 (t)	(vi)	<p>Additional requirements (vi) Controls and indicators shall be provided in driver's cabin and on the cage (platform).</p>	<p>Please refer our queries/comment against Sl. No. 20 (h) (i) and 20 (h) (iv) for Controls provided at Turntable and at Cage.</p> <p>Vehicle Engine & PTO control are provided inside the Cabin. However, Controls for all Platform functions are provided both at the Turntable and in the Cage as per industry practice. Kindly confirm your acceptance.</p>	To be as per Para 20(t)(vi) of Appendix A to the RFP.
149	68	App A	20(t)	(viii)	(viii) Other features like wind speed meter, hydraulic tank low oil alarm, radio remote control, laser rangefinder shall be provided.	<p>Wind Speed Meter and Hydraulic Tank Low Oil Alarm is Provided. Radio Remote Control and Laser Rangefinder is not part of Standard Supply. These are electronic features which are prone to high maintenance and also are not relevant/ essential for actual fire-fighting & rescue operations of the Aerial Ladder Platform.</p> <p>We would request you to kindly remove the Radio Remote Control and Laser Rangefinder.</p>	Wind speed meter, hydraulic tank low oil alarm, radio remote control, laser rangefinder shall be provided as per Para 20(t) (viii) of Appendix A to the RFP.
150	68	App A	20(t)	(ix)	<p>Additional requirements (ix) A Suitable pump shall be provisioned with the platform for ensuring water pressure of 7 Kg/cm² at the monitor on working cage (32 meter height).</p>	Buyer is requested to specify the flow rate and capacity of the pump.	The pump should be able to provide water pressure of 7 Kg/cm ² at the monitor on working cage (32 meter) as per Para 20(t)(ix) to the RFP.

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151	69	App A	21	(g)	Emergency Stops at both control types: Ground and Platform	Emergency control is more necessary on Platform. Request you to kindly accept emergency control at only Platform instead of Ground & Platform. Kindly Confirm Your Acceptance.	Emergency Stops to be provided as per Para 21 (g) of Appendix A to the RFP.
152	69	App A	21	(n)	Type of Wheels : Cushioned Non-Marking	Kindly also accept solid rubber non marking type.	Cushion non-marking wheels are required as per Para 21 (n) of Appendix A to the RFP.
153	70	App A	22 (a)	(i)	General (i) Shall have engine of minimum 75 HP.	55.14 KW POWER ENGINE meeting the requirement. Kindly confirm your acceptance.	Engine of minimum 75 HP to be provided as per Para 22 (a) (i) of Appendix A to the RFP.
154	70	App A	22 (a)	(ii)	(ii) Shall be capable of towing Minimum 30 ton load	With double axle trailer or as per manufacturer standard. Kindly confirm your acceptance.	To be as per Para 22(a)(ii) of Appendix A to the RFP.
155	70	App A	22 (b)	(ii)	Engine Emission standard shall be minimum BS-IV or better and latest at the time of submission of T-Bid.	Emission standard shall be Trem III A as per motor vehicle act. Kindly confirm your acceptance.	To be as per Para 22 (b) (ii) of Appendix A to the RFP.
156	70	App A	22	(d)	Air Cleaner: Two stage filtration, oil bath type with cyclonic pre cleaner.	Dry air cleaner for Trem III A engine or as per applicable standard in line with standard manufacturing practice in India. Kindly confirm your acceptance.	To be as per Para 22(d) of Appendix A to the RFP.
157	70	App A	22	(h)	Lubrication: The tractor shall have lubrication of forced and splash type with full dual filters	Lubrication System vary manufacturer to manufacturer as per their patent design. In view of the above, we would request you to kindly also accept Single oil filter (bigger size) and lubrication of forced and splash type or it should be as per manufacturer standard. Kindly confirm your acceptance.	To be as per Para 22 (h)of Appendix A to the RFP.
158	70	App A	22	(n)	Service Brake: Self adjusting, Self equalizing, Hydraulically Actuated oil immersed Disc brakes.	Service Brake System vary manufacturer to manufacturer as per their patent design. In view of the above, we would request you to kindly also accept Mechanically actuated, oil immersed Disc brakes or it should be as per manufacturer standard. Kindly confirm your acceptance.	Brakes are to be as per Para 22 (n) of Appendix A to the RFP.
159	70	App A	22	(r)	Electrical system :Two nos. suitable maintenance free storage batteries of 800 AH with suitable battery charging facility using dynamo or alternator.	Battery should be as per respective manufacturer only along with suitable battery charging facility using dynamo or alternator. Kindly confirm.	To be as per Para 22 (r) of Appendix A to the RFP.
160	71	App A	22 (s)	(iv)	Standard Accessories (iv) Spare Engine Hour Meter	Kindly also accept in build hour meter in instrument cluster.	To be as per Para 22(s)(iv) of Appendix A to the RFP. * Note below also refers

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161	71	App A	22 (s)	(xi)	(xi) Top Canopy with canvas Cloth.	Please also add canopy with hard fiber as it vary manufacturer to manufacturer as per their patent.	To be as per Para 22 (s) (xi) of Appendix A to the RFP.
162	71	App A	22	(t)	Counter weight and towing hook :Tractor shall have the arrangements to tow any trailers of minimum 30 Ton capacity along with counter weights or ballasts for the front and rear wheel.	Front Axle Bracket- casting with front mounted weights and on rear tyres -fitted with ballast weights or as per manufacturer meeting the functional requirement. Kindly Confirm.	To be as per Para 22 (t) of Appendix A to the RFP.
163	73	App A	24(a)	(iv)	(iv) Berth Configurations - Single, Dual, or Multiple	Single is standard and other arrangements are available at additional cost. Exact berth configuration required for each port from the Buyer.	One docking aid system is required to be supplied for each of the locations as mentioned at Appendix A1 to the RFP. The software, however, should cater for different sizes of vessels with single, dual, or multiple berth configurations.
164	73	App A	24(a)	(vii)	(vii) Number of Laser Inputs - Minimum two or as per design, but the software can be configured for the multiple laser pairs to accommodate different vessel sizes	Although minimum inputs have been mentioned there is no information on maximum number of inputs. Buyer is requested to specify maximum inputs required for each port.	To be as per Para 24(a)(vii) of Appendix A to the RFP. * Note below also refers
165	74	App A	24(b)	(ad)	Measuring Accuracy : (\pm) 2 cm based on repetitive accuracy at 200m in specified conditions	Measuring Accuracy: (+/-) 2 cm based on repetitive accuracy at 200 m in specified conditions. Can be only 0-99m/min	Accuracy is to be as per Para 24(b)(ad) of Appendix A to the RFP. * Note below refers
166	74	App A	24(b)	(at)	(a) Precise alignment with computer controlled visible alignment beam and built in tilt sensor	All these provisions are available but OEM requires clear and detailed specifications for each port including berth platform heights, berth layout, various vessel deck height and tidal information for selection of right product. Byer is requested to specify detailed specifications for each port including berth platform heights, berth layout, various vessel deck height and tidal information.	The detailed specifications of the Dock where the system needs to be installed will be shared with the L1 bidder only. The Seller may visit the respective yards for gaining first-hand information.
167	75		24(b)	(at)	(b) Laser systems to suit sites with large tidal variances		
168	75		24(b)	(at)	(c) Multiple or back-to-back berths using a common control system		
169	75		24(b)	(at)	(d) Custom - designed supports brackets and mounting pedestal.		
170	75	App A	24	(c)	The Following table indicates the Instrumentation, signal and control as well as cable types and maximum distance applicable	OEM requires dimensional layout drawings for each port showing the berth(s) and the distance to the respective Control office(s)	The Docking aid system is required for Mumbai, Visakhapatnam, Port Blair and Karwar. Tidal information of the same be considered while quoting. The Seller may also visit the sites for gaining first-hand information.

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171	76	App A	24(d)	(ad)	Key Board: 4 cursor and 2 function keys	The portable hand held unit is a passive device. Vendor requires detailed information on the "Portable Marine Monitor" facilities/functions to enable assessment of possible display alternatives. Buyer is requested to provide required information.	As per Para 24(d)(ad) of Appendix A to the RFP. * Note below also refers
172	76	App A	24(d)	(ae)	Frequency - 147.5 – 151, 164 – 167.5 & 171- 174 MHz as standard.	OEM has designed its system on his standard frequency band. This has no effect on the performance of system. Buyer is requested to accept frequency band as per "OEM's design"	To be As per Para 24(b)(ae) of Appendix A to the RFP. * Note below also refers
173	76	App A	24(d)	(af)	Channel spacing: Min 25 Khz	12.5, 25 kHz	To be as per Para 24(d)(af) of Appendix A to the RFP. * Note below also refers
174	76	App A	25(a)	(ii)	(ii) Axles. The Axles shall be reputed/ standard make (OEM recommended) and made out of high Tensile steel and Mounted with Taper Roller Bearing of Reputed make to ensure smooth running and uniform distortion of load. The front axle will have Turn Table Mechanism to enable steering.	Turntable is required for turning of trolley if the numbers of axle are more than one. However, in a trolley with 1 axle and 02 tires, turntable mechanism is not required. Buyer is requested to accept this point.	Turntable to be provided as per Para 25(a)(ii) of Appendix A to the RFP. * Note below also refers
175	77	App A	25	(b)(i)	Engine - Latest (at the time of submission of Bid) Four Stroke, Diesel Engine complying to CPCB or statutory norms	Foreign Manufacturer doesn't comply with CPCB. Buyer is requested to clarify whether or not Tier III engine will be acceptable for lighting tower?	As per Para 25(b)(i) of Appendix A to the RFP, the diesel engine should comply to the CPCB or statutory norms. * Note below also refers
176	78	App A	25	(d)(iii)	(iii) Elevating Mode - Hydraulic	The elevating mode is generally of two types viz electrical and hydraulic. It may be noted that the electric elevation is a better technology compare to hydraulic elevation considering complex maintenance issues linked to hydraulic systems. Further, lighting towers with hydraulic elevation will be much more expensive than lighting tower with electrical elevation mode. Most modern lighting towers come with electric elevating modes. Buyer is therefore requested to accept Electric mode for elevation.	Elevating mode is to be provided as per Para 25(d)(iii) of Appendix A to the RFP. * Note below also refers
177	80	App A	26	(g)	Hull (Bulwark and Railing): Part of the weather deck shall be provided with bulwark and for the rest portable guard rails shall be fitted. Super structure decks shall be provided with Guard	All side of weather deck will be fitted with handrail. Also it may please be noted that only rest room and deck store will be	To be as per Hull, Para 26 (g) of Appendix A to the RFP.

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					rails. Railings shall be made of galvanized steel pipes.	provided on vessel and top of deck will be fitted with hand rail. Kindly confirm your acceptance.	
178	88/104	App D/ App F	9/ 1.5	NA	<p>9. Based on the explanation given above, you are requested to provide list of MRLS to sustain the equipment for a minimum period of 05- yearfor various levels of repairs as per format given at Annexure I to this Appendix yard wise based on the population of equipment in each yard. You will be required to provide these both with Technical and commercial proposals. The cost column may be left blank in the Technical Proposal. The cost of spares for 'O' level repairs (consumable spares) for 01 year only will be considered in determining the L1 bidder and is to be provided in the Price Bid format at Para 1.5(B) at Appendix F to the RFP.</p> <p>1.5. Price Bid Format. The Price Bid Format is given below and Bidders are required to fill this correctly with full details. No column of the Bid format should be left blank. The clubbing of serials/ sub serials to indicate a consolidated cost is not acceptable. The columns of 'quantity', 'unit cost' and 'total cost' are to be filled up with positive numerical values or 'Nil' at every row as applicable. If any column is not applicable and intentionally left blank, the reason for the same has to be clearly indicated.</p>	<p>It is understood that MRLS (for 05 years) will not be part of evaluation of commercial bid. However, it is not clear whether or not MRLS will form part of the contract with lowest bidder. It may be noted that MRLS are not indicated in the price bid format at Para 1.5 of Appendix F.</p> <p>Buyer is requested for necessary clarification.</p>	<p>The MRLS (for 05 years) will not be part of evaluation of commercial bid iaw Para 9 and Para 1.5 (B) of Appendix F. The MRLS will also not form the part of current contract.</p> <p>As per Para 9/ Appendix D of RFP, only list of MRLS is to be submitted.</p>
179	90	App D	13	(d)	<p>Spares. Supply of all parts (spares or otherwise- both sourced from the OEM/ OEM authorised vendor), including consumables, if any and material required for the optimal performance of the equipment as per the designed specifications mentioned in the Equipment Manual shall be the responsibility of the supplier.</p>	<p>RFP stipulates that all spares including consumables will be the responsibility of the seller. It may be noted that consumables such as Tyres and Batteries replacement is dependent on the use of equipment/vehicle by the Buyer and charging/discharging methods of Buyer of which seller has no control.</p> <p>Further, in certain equipment such as Battery Operated Platform Trolley (05 Ton) & Battery Operated Forklift (05 Ton), batteries' price is a significant percentage of equipment prices and OEMs are not willing to include batteries under the scope of CAMC.</p> <p>Tyres and batteries are readily available in the market and Buyer may buy directly as when requirement exists. This will be more cost effective for the Buyer.</p> <p>Buyer is therefore requested to remove</p>	<p>Tyres and batteries will not form the part of CAMC.</p>

PRE BID QUERIES – MODERNISATION / AUGMENTATION OF FACILITIES AT NAVAL DOCKYARDS AND NAVAL SHIP REPAIR YARDS

<u>RFP Reference</u>					<u>Description</u>	<u>Firms's Query</u>	<u>Comments/ Clarification</u>
<u>Ser</u>	<u>Page No.</u>	<u>Section</u>	<u>Para</u>	<u>Sub Para</u>			
						consumables such as Tyres and Batteries from the scope of CAMC for all equipment.	
180	91	App D	17	(a)	(a) Transfer and Sub Letting. The supplier has no right to give, bargain, sell, assign or sublet or otherwise dispose of the CAMC or any part thereof, as well as to give or to let a third party take benefit or advantage of the present contract or any part thereof.	This is not possible for this kind of contract since the majority of equipment / items are bought out items and in which case we will be sub letting the CAMC of the equipment to the original manufacturer / supplier. Suitable amendment to this effect is required.	To be as per Para 17(a) of Appendix D to the RFP. The ultimate responsibility of providing the CAMC will be of the Seller.
181	99	App E	1.1	NA	INCOTERMS for Delivery - DDP with ultimate consignee as ASD (Mbi), ASD (Vzg), ASY (Kochi), CSY (Kar) or CSY (PB)	DDP is the delivery term mentioned in the RFP. However, it is not clear which side (Buyer or Seller) will be responsible for expenses towards unloading of items at Buyer's warehouse. This is an important issue as scope of supply comprises of multiple big size and heavy equipment and therefore unloading charges will be significant. Buyer is requested for necessary clarification.	The INCOTERMS for the delivery will be DDP as per Para 1.1 of Appendix E to the RFP, and all activities need to be undertaken as per INCOTERM.
182	99	App E	1.3	1.3.1	Advance Payment. Fifteen (15) % of the total contract price (excluding CAMC cost) shall be paid within thirty (30) days of signing of Contract and upon submission of claim and a bank guarantee for the equivalent amount. Bank Guarantee should be from Public Sector Banks. The Advance Payment Bank Guarantee (APBG) will deemed to be proportionately and automatically reduced until full extinction along with and prorata to value of each delivery, as evidenced by corresponding copy of document proving delivery and invoices of goods / services supplied / provided.	Duration of validity of APBG is not mentioned in the RFP. Buyer is requested to indicate the validity of APBG	The Advance Payment Bank Guarantee (APBG) will deemed to be proportionately and automatically reduced until full extinction along with and prorata to value of each delivery, as evidenced by corresponding copy of document proving delivery and invoices of goods / services supplied / provided as per Para 1.3.1 of the RFP.
183	101	App E	2	2.1	Performance-cum-Warranty Bank Guarantee Clause. A Performance-cum-Warranty Bank Guarantee (PWBG) of 10% of value of the Contract (5% each for performance and warranty excluding CAMC cost) would be furnished by the Seller in the form of a Bank Guarantee. The PWBG shall be submitted by the Seller within one month of signing of contract and shall be valid for a period, until three months beyond the warranty period, as specified in the RFP. The Seller would also be required to submit a separate Performance-cum-Warranty Bank Guarantee (PWBG) of 5 % of value of the CAMC Contract, 03 months prior to completion of warranty period.	Duration of validity of PBG for CAMC is not mentioned in the RFP. Buyer is requested to indicate the validity of PBG of CAMC	The duration of PBG for CAMC will be three months post completion of CAMC.

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RFP Reference					Description	Firms's Query	Comments/ Clarification
Ser	Page No.	Section	Para	Sub Para			
184	101	App E	3	NA	<p>Inspection. Pre Dispatch Inspection (PDI) would be at the discretion of the Buyer. In addition Joint Receipt Inspection (JRI) may also be carried out. If it is PDI, the Seller should intimate at least 45 days prior to the day when the equipment is to be offered for PDI to enable Buyer's QA personnel to be available for inspection. In case of JRI, the representative of the Seller may be present for inspection after the equipment reaches the concerned destination. The Seller would be informed of the date for JRI.</p>	<p>It is not clear whether PDI will be conducted only before first lot of each type of equipment or for all lots?</p> <p>Buyer is requested for necessary clarification.</p>	<p>The PDI would be at the discretion of the Buyer as per Para 3 of Appendix E to the RFP.</p>
185	105 / 106	App F	1.2/ 2.1	NA	<p>1.2. In 'Buy Indian'L-1 bidder will be determined on the basis of quoted cost of all items including all taxes and duties.</p> <p>Evaluation of bids by DCF technique. 2.1. Net Present Value (NPV) is a variant of DCF method, which will be used by the Buyer for evaluation of Bids. The Net Present Value of a Bid will be equal to the sum of the present values of all the cash flows associated with it.</p>	<p>Kindly confirm: (1)which clause will govern as L-1 Bidder whether Buy Indian L-1 Bidder or Evaluation of Bids by DCF method (2) DCF method : This clause should not be applicable for this kind of contract .We need more clarity if applicable with respect to calculation method for better understanding and additionally, if you can provide us a sample calculation as an example for better understanding.</p>	<p>The determination of L1 bidder will be undertaken as per Para 1.2 of Appendix F to the RFP.</p>
186	109	App G	5.3	NA	<p>5.3. Provided the acts of The Government or any state parties of the seller which may affect the discharge of the Seller's obligation under the contract shall not be treated as Force Majeure.</p>	<p>Since this being a Naval Project, the act of Government if any which is going to stall the project will have to be considered as Force-majeure</p>	<p>Force Majeure is to be as per Para 5.3 of Appendix G to the RFP.</p>
187	111	App G	8	NA	<p>8. The seller confirms and declares to the buyer that the seller is the original manufacturer of the stores referred to in this contract and has not engaged any individual or firm, whether Indian or foreign whatsoever, to intercede, facilitate or in any way to recommend to the Government of India or any of its functionaries, whether officially or unofficially, to the award of the contract to the Seller; nor has any amount been paid, promised or intended to be paid to any such individual or firm in respect of any such intercession, facilitation or recommendation. The Seller agrees that if it is established at any time to the satisfaction of the Buyer that the present declaration is in any way incorrect or if at a later stage it is discovered by the Buyer that the Seller has engaged any such individual/firm, and paid or intended to pay any amount, gift, reward, fees, commission or consideration to such person, party, firm or institution, whether before or after the signing of this contract, the Seller will be liable to refund that amount to the Buyer. The Seller will also be debarred from entering into any supply Contract with the Government of India for a minimum period of five years. The Buyer will also have a right to consider cancellation of the Contract either wholly or in part, without any entitlement or compensation to the Seller who shall in such event be liable to refund all payments made by the</p>	<p>Declaration by us as a bidder is quite impossible as none of us is original manufacturer of all equipment (many items shall be bought out for us)- Hence we need to seek an exception to this clause</p>	<p>As per Para 2 of the RFP, responses are invited from 'Indian Original Equipment Manufacturers' or 'Authorised Vendors' or 'System integrators'. The vendor is, accordingly, required to furnish declaration as per Para 8 of Appendix G to the RFP, by incorporating appropriate applicable term in his declaration, confirming non-involvement of any Agent/Agency.</p>

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<u>RFP Reference</u>					<u>Description</u>	<u>Firms's Query</u>	<u>Comments/ Clarification</u>
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					Buyer in terms of the Contract along with interest at the rate of 2% per annum above LIBOR rate (for foreign vendors) and Base Rate of SBI (for Indian Vendors). The Buyer will also have the right to recover any such amount from any contracts concluded earlier with the Government of India.		

General Queries.

Ser	Page No	Section	Para	Sub Para	Description	Firms's Query	Comments/ Clarification
188.	75	App A	24(c)	(at)	<u>Instrumentation Signal and Control</u> - The following table indicates the Instrumentation, signal and control as well as cable types and maximum distance applicable.	Buyer is requested to provide dimensional layout drawings for each port showing the berth(s) and the distance to the respective Control office(s) for selection of suitable items by the Bidder. Without this information, it is very difficult to correctly quote the price of many items including cables.	The detailed specifications of the Dock where the system needs to be installed will be shared with the L1 bidder only. The Seller may visit the respective yards for gaining first-hand information.
189.						There are very limited (only 1or 2) manufacturers in 5Ton capacity whereas 4Ton is readily available from many manufacturers, Hence, kindly consider the same for healthy competition and benefit of the department.	5 Ton Battery operated forklift is to be provided as per Para 8 of Appendix A to the RFP.
190.					Additional Requirement	Impedance Value of Transformer is not mentioned in the specification, kindly confirm the same .	To be as per OEM design and meeting the functional criteria as per Para 14 of Appendix A to the RFP. * Note below also refers
191.					Additional Requirement	The Vector Configuration is also required, kindly confirm the same? Example : DY11 or Ddy11 etc.	To be as per OEM design and meeting the functional criteria as per Para 14 of Appendix A to the RFP. * Note below also refers
192.			General		Truck mounted Road sweeping machine	General Queries:- Request you to kindly provide Chassis engine power. Kindly define Chassis GVW. Please Define Auxiliary engine power. Sweeping with not defined. Please define.	To be As per OEM design to meet the functional requirement of the equipment as per Para 19 of Appendix A to the RFP. * Note below also refers
193.	1 MW mobile diesel genrator		4		Operating Duty	Hope requirement is for Prime Duty DG set with average loading as per ISO 8528 (part 1)	The Mobile DG should meet the Technical requirements as per Para 4 of Appendix A to the RFP.
194.	1 MW DG				Fuel Tank	We will provide only standard Inbuilt Fuel tank	* Note below also refers
195.					We assume following items are Exclusive from our scope of work	Exhaust Piping	
196.						Support Structure	
197.						CEIG Approval	
198.						Bulk Oil Tank & related works with CCOE approval	
199.	500 KW mobile DG		5		Operating Duty	Hope requirement is for Prime Duty DG set with average loading as per ISO 8528 (part 1)	The requirement of Mobile DG is as per Para 5 of Appendix A to the RFP.

208.		Change in Laws	<p>The Contract Price shall be adjusted to take account of any increase or decrease in cost resulting from a change in the Laws of India (including the introduction of new Laws and the repeal or modification of existing Laws) or in the judicial or official governmental interpretation of such Laws, made after the date of LOA, which affect the Contractor in the performance of obligations under the Contract.</p> <p>If the Seller suffers (or will suffer) delay and/or incurs (or will incur) additional cost as a result of these changes in the Laws or in such interpretations, made after the date of LOA, the Seller shall give notice to the Owner and shall be entitled to:</p> <p>(a) an extension of time for any such delay, if completion is or will be delayed, and</p> <p>(b) payment of any such cost, which shall be added to the Contract Price.</p> <p>“Laws” means all national (or state) legislation, statutes, ordinances and other laws, and regulations and by-laws of any legally constituted public authority including laws relating to taxes and duties.</p>	The additional clauses, proposed by the vendor, cannot be incorporated as the same are not as per DPP-13 and RFP.
209.		Extension of Time	<p>In the event that performance of the works or delivery of the supplies or part thereof gets delayed due to any of the following causes:</p> <p>(i) failure of Buyer to fulfil any of its payment or other obligations hereunder or suspension by the Contractor under clause [];</p> <p>(ii) any delay caused by or attributable to the Buyer, Buyer’s Representative or Buyer’s personnel at Site;</p> <p>(iii) failure of Buyer to handover physical possession of a clearly demarcated Site to the Contractor; or</p> <p>(iv) written instructions of the Buyer and/or the Buyer’s representative to temporarily suspend the performance of the Contract or other similar instructions, compliance with which, delays the performance of works or delivery of the supplies; or</p> <p>(v) variations pursuant issued by Buyer</p>	The additional clauses, proposed by the vendor, cannot be incorporated as the same are not as per DPP-13 and RFP.

					<p>under Clause []; (vi) in case of a Force Majeure event; and (vii) due to Change in Law</p> <p>then the Contractor shall be entitled to and the Buyer shall extend the implementation schedule and the final delivery date, by a period equal to the time lost (on day for day basis) and related cost as a result of the abovementioned causes or events.</p>	
210.		General Point	Safety Standards	<u>Aerial Ladder Platform</u>	<p>We observe that the safety standards are not mentioned in the RFP in case of Aerial Ladder Platform. It may be noted that such vehicle are used for firefighting and for life saving operations. Therefore, safety standards of such vehicle are of paramount importance for any user.</p> <p>We would like to highlight that in case of Scissor Lift under this RFP, where height is only 6 meter, Buyer has included sufficient safety standards to ensure that safe and quality product is sourced. However, in case of Aerial ladder Platform, which is a much bigger platform with lift height of 32 meters (more than 5 times the height of scissor lift), no safety standards have been included in the RFP.</p> <p>It is therefore requested that suitable safety standards be included for Aerial Ladder Platform to ensure supply of a quality product by the seller.</p> <p>The Buyer may explore the below mentioned details for reference:</p> <p><u>SAFETY & QUALITY</u></p> <ol style="list-style-type: none"> 1. ISO 9001 certificate for OEM for marketing, design, manufacture of aerial appliances for use in rescue, firefighting and access applications for their quality management system. 2. 3rd party certificate from an independent agency for welding quality certified to ISO 3834-2:2005 for load bearing steel structures for mobile hydraulic aerial appliances. 	Equipment with latest safety standards at the time of submission of bids should be quoted for by the Seller.

						<p>3. ISO 14001 certificate for manufacturing plants of OEM.</p> <p>4. EC type certification (CE certificate as per EN 1777), 3rd party notified for the quoted model.</p> <p>5. 3rd party certificate from an independent agency for electromagnetic compatibility (EMC) for the electronic/computerized control system</p> <p>6. 3rd party certificate from an independent agency as per prEN954-1 certifying the safety of the limiting system as per the machinery directives.</p> <p>8. Certificate from International Power Access Federation (IPAF) certifying the OEM as an approved training center for aerial platforms and to show the quality of trained instructors for providing quality training on these appliances.</p>	
211.						The Specifications of Forklift is looking for the specific make for the following, hence request you to make the specifications for the general requirement, so that different manufacturers can also participate:	The specifications of the Forklifts should be as per Para 7 and 8 of Appendix A to the RFP.
212.						(a) Load Center, Grade ability (Laden), Ground clearance, Overall Height lowered, Maximum fork height.	The specifications of the Forklifts should be as per Para 7 and 8 of Appendix A to the RFP.
<p>* Note - "Pre-bid clarifications are to clarify venders' queries / doubts within the purview of RFP and are not for confirming or verifying any technical specifications of equipment proposed to be supplied by a vendor. Specifications of the equipment offered will be analysed by the Technical Evaluation Committee (TEC) after submission of bids as per provisions of Para 34 to 36 of Chapter I of DPP-13".</p>							