Minutes of the Eighth meeting of the Grievance Committee on DMI&SP Policy, held on 27/09/2018 at 3.00 P.M. under the Chairpersonship of Smt. Rasika Chaube, Additional Secretary, Ministry of Steel

1. List of Officers who attended the meeting is enclosed as **Annexure –I.**

2. At the outset, Chairperson welcomed the participants in the 8th meeting of the Grievance Committee.

3. A presentation was made on the issues raised by M/s Rail Vikas Nigam Limited (RVNL), Hindustan Petroleum Corporation Limited (HPCL), Engineers India Ltd. (EIL), GAIL, Stainless Steel Pipes & Tubes Manufacturers Association (SSPTMA), United Drilling Tools Ltd. (UDT), Essar Steel India Limited, Shri Rathi Steels Limited and issues related to compliance of DMI&SP Policy in Defence Sector.

Issues raised by Rail Vikas Nigam Ltd. (RVNL)

4. RVNL is a CPSE under the Ministry of Railways, engaged in execution of major infrastructure development projects of Indian Railways. RVNL has informed that they are dependent on SAIL for its 'rail' supply either through MOU of Ministry of Railways with SAIL or through a contract awarded to SAIL for ADB projects of RVNL in February, 2014.

5. RVNL has informed that the estimated requirement of rails for the projects to be commissioned in next two years including the short fall in the supply during current Financial year is 5,00,000 MT for the 60 Kg 90 UTS rails.

6. In view of non-availability of rails to meet critical requirement and approximately one year's time in start of rail supply from global sources since invitation of tender, RVNL is proceeding with invitation of global bidding for 5,00,000 MT of 60 Kg 90 UTS rails Bids will be finalized after the receipt of approval from Ministry of Steel. RVNL has requested that exemption may be granted for procurement of 5,00,000 MT 60 Kg 90 UTS rails through global bidding from established manufacturers/ suppliers who have experience of supplying rails to major passenger carrying system worldwide.

7. RVNL has informed that considering domestic production constraint of rails which is very critical for passenger safety consideration and non-availability of any other approved domestic manufacturer of rails other than SAIL, Ministry of Railways has permitted RVNL to procure/ import rails from sources other than SAIL for rail requirement for projects to be commissioned in 2019-20 & 2020-21. Due to capacity constraint of SAIL, the supply of rails in the last three has been deficient vis-a-vis requirement. RVNL stated that in order to promote other domestic supplier suitable clause of governing the developmental order will be incorporated in the bid document.

8. During the discussion, RVNL has stated that apart from SAIL, there is one more rail manufacturer i.e. JSPL, who may not fulfil the criteria of past performance of rails on

passenger/ mixed traffic carrying railway network. However, they have been considered for developmental order for recently concluded global bidding by MoR.

9. Director (Commercial) of SAIL informed that against 2 MTPA production capacity for rails, SAIL is producing 01 MTPA quantity of rails, because of which the demand of RVNL can not be met for FY 2018-19 and 2019-20.

10. The other Indian 'rails' manufacturer i.e. JSPL stated that they can meet the requirement of RVNL and they have the experience of making the rails since 2003 and their rail mill is certified by RDSO, TUV, SGS etc. Representative from JSPL further informed that it will take one year to get the passenger carrying certification from Ministry of Railways towards supply of developmental order. JSPL however informed that they have supplied the same rails to Iran and Bangladesh in order to meet their passenger carrying system requirement and they can get certificates from them. Committee asked JSPL to submit the certificates regarding supply of rails to Iran and Bangladesh which could be examined by RVNL. It has been further pointed out by RVNL that JSPL may not be able to fulfil the criteria in the tender, hence they can be given developmental order once again. Chairperson also mentioned to RVNL that they must ensure that their tender conditions are not restrictive in nature.

11. Chairperson requested SAIL to chalk out a plan for the ramping up and submit to Ministry so that supplies to MoR and RVNL can be streamlined.

12. **After deliberations the Grievance Committee made following observations:**
    a) **Since SAIL is not able to supply the desired quantity of 'rails' to RVNL for the FY 2018-19 and 2019-20 therefore RVNL's request for exemption may be considered by Standing Committee subject to placement of development order of 20 % of net procurable quantity to Indian manufacturers.**
    b) **Other Indian 'rails' manufacturer may participate in the tender as normal bidders, if they get passenger carrying certification from the concerned Government.**

Issues raised by Hindustan Petroleum Corporation Limited (HPCL)

13. HPCL informed that they have taken up the project of laying 16" diameter 680 Kms long under-ground Petroleum Product Pipeline from Vijayawada (Andhra Pradesh)-Dharmapuri (Tamilnadu) at a cost of Rs.2677 Cr. Recently they have floated the tender for the line pipe of API-5L, Gr X-65 PSL2 of various thicknesses for the 54434 MT quantity. They have stated that very high quotes have been received for the procurement of 700 kms (approx.) 16" dia line pipes for the project with L1 party - M/s Jindal Saw Limited. M/s HPCL has requested for intervention in this matter.

14. HPCL stated that based on the tender in September, 2017 for API Pipes as per index the reasonable rate should be ₹ 95-100/ Kg. The L1 bidder i.e. M/s Jindal Saw Ltd have quoted 30% more than the estimate. After three round of negotiations the Jindal Saw has came down to ₹ 117/Kg Vs Estimate of ₹ 102/Kg.

15. Chairperson asked HPCL to clarify about the procedure of price discovery. HPCL stated that their price discovery is based on offers taken from all the parties and earlier placed order. Last year price was ₹70/kg for coated pipes and after the implementation of DMI&SP Policy ₹ 88/ kg. Representative of M/s Welspun stated that from April to September'18 price of Cocking Coal, Iron Ore and Pellet has gone upto 50% globally and domestically.

16. Chairperson said that Grievance Committee would not normally get into pricing and commercial decisions however since the case has came to Ministry of Steel the representative from M/s Jindal Saw was asked to give their side. They stated that they have used basic principle of pricing, manufacturing cost transportation cost, delivery schedule, foreign exchange fluctuation, International market and productivity of small diameter prices have been considered. They stated that their prices are in line with the market and the price has been reduced significantly and further price reduction is not possible for them. HPCL requested M/s Jindal Saw to provide the breakup of cost.

17. **After deliberations, the Grievance Committee advised manufacturers to refrain from profiteering thereby diluting the very spirit of the DMI&SP Policy and forced the Standing Committee to grant waivers. The Committee opined that MECON may check the price reasonability of M/s Jindal Saw and submit the clear recommendation to Ministry within 2-3 days. Based on which Standing Committee would take a decision.**

Issues raised by GAIL (I) Limited

18. GAIL has informed that the line pipes for various GAIL's project are being procured in compliance with DMI&SP Policy and 4.6 lakh MT of pipes have been procured till date. Out of the above, about 2.9 lakh MT of pipes are being manufactured from imported steel and balance 1.7 lakh MT with domestic input steel.

19. Further, GAIL has stated that exorbitantly high rates have been quoted by steel pipe suppliers against tender Nos. 8000012174, 8000012718 & 8000012742 for supply of coated steel line pipe of API 5L X-70 grade for Durgapur Haldia section (~300 kms) and Barauni Guwahati section (>700 kms) of Jagdishpur Haldia Bokaro Dhamra P/L project and KKBMPL (PH-II) & other pipeline project.

20. GAIL stated that during the period from October 2017 to May 2018 about 1940 Km of pipeline (4.65 lac metric tonne) were ordered at an average price of Rs.79604/T. As per GAIL, the domestic line pipe manufacturers/suppliers are now quoting (June 2018) at an average price of Rs. 1.20 lac/T which is approximately 27-46% higher than the last average awarded prices in May, 2018 for the same specification where as JPC price index for HR Coil from May to June, 2018 has increased by 1.07% only. Referring to the similar instances in the past, GAIL submitted that they are unable to justify such high increase in rates. As per GAIL this will have serious implications on

the entire economics of the project. Thus, they have taken a decision to refloat one of the tenders. They also stated that since they continue to face such unrealistic prices for line pipes, they have no option but to approach Ministry of Steel for seeking exemption under DMI&SP Policy for procurement of line pipes from abroad.

21. This matter was discussed in the Seventh Meeting of Standing Committee on DMI&SP Policy. Standing Committee opined that the suppliers/vendors namely Welspun, Maan, JSW, etc should consult the two consultants of GAIL i.e. MECON and EIL regarding pricing of the pipes and submit the tenders thereafter. The suppliers have been advised to be cost competitive and must not take undue advantage of DMI&SP Policy.

22. MECON has informed if Grievance Committee that they have conducted the meeting on the above issue and bidders have not been able to provide any plausible and credible justification for the quoted price. Representative of GAIL informed that after negotiations though pipe manufacturers have slightly reduced the prices but not came down to reasonable prices.

23. Representatives from Welspun stated that prices of Diesel also have been increased. MECON, CMD stated that these factors were also earlier and can not be considered for such unreasonable hike in prices.

24. **After deliberations, the Committee opined that pipe manufactures should not do profiteering. The Committee advised pipe manufactures to relook into the pricing and provide the final price to GAIL, EIL and MECON.**

25. **MECON may submit the final recommendations duly indicating the final cost being quoted by the manufacturers within 2-3 days so that the Standing Committee may take final decision.**

Issues raised by Engineers Indian Limited (EIL)

26. EIL has raised the following issues :

    a) To seek exemption for procurement of small assorted quantities of various grades & sizes - less than 100 meters - due to the unavailability of indigenous suppliers and /or indigenous suppliers not interested to offer small quantities, so that their projects' time schedule do not suffer on this account. As per them such small assorted quantities arise due to last stage of fine tuning of engineering.

    b) Non-applicability of 20% on account of developmental orders for EIL projects.

27. In the Seventh Meeting of Standing Committee, M/s Ratnamani Metals & Tubes Limited stated that they have the capacity and are ready to supply stainless steel pipes in very small quantities i.e. from 6 meter to 1000 meters, provided they are given an opportunity by EIL. EIL raised the issue of exorbitant price quoted by Ratnamani Tubes & Metals Limited (RTML) which was not agreed by RTML. It was made clear

by the Committee that supplier has to take into account quality, small lots, delivery as well as cost competitiveness.

28. EIL submitted a summary of the assorted material less than 100 meters likely to be ordered within a year. The list contained about 75500 meter of pipe materials of various grades & sizes which is of about ~4500 tonnes weight and of ~Rs. 90 Crores value. The Standing Committee opined that this being the large quantity, it cannot be allowed to be procured off the shelf from stockiest abroad, if Indian manufacturers are able to supply. In this respect, it was told that EIL may segregate those grades & quantities which Indian suppliers are able to supply.

29. Based on the list submitted by EIL, M/s Ratnamani was asked by the Standing Committee to submit documents with evidences of items they will be able to supply. The Standing Committee also decided not to give blanket waiver for assorted quantities less than 100 meter at this point of time because there are manufacturers in India who can supply the items in desired quantity and quality. It was also stressed that indigenous manufacturers should supply small quantities of desired quantity at competitive rates.

30. As regard request for non- applicability of development orders of 20% for EIL projects, Standing Committee already decided that EIL will upload their future steel pipe requirement (not project wise) on their website. The Committee emphasised that this will be made applicable to all CPSEs. Hence, while project wise applicability of developmental orders of 20% was waived of by the Standing Committee, EIL was asked to place developmental orders of 20 % for all known future steel requirements for the company as a whole.

31. **As per the direction of the Seventh Meeting of Standing Committee M/s Ratnamani has provided the list of items (Less than 100 meters) which they can supply. M/s Ratnamani Metals has confirmed for the supply of (less than 100 meter) SS- Seamless, SS- Welded and duplex- SS as per the requirement of EIL. The list of the items is attached as *Annexure- II.***

32. **None of the other manufacturers have shown interest for the supply of (less than 100 meter) CS-Seamless, CS-welded, AS –Seamless and AS- Welded. Therefore Committee recommends to grant exemption for procurement of these grades. The Committee decided that matter be placed the matter before Standing Committee for final decision.**

<u>Issues raised by Stainless Steel Pipes & Tubes Manufacturers Association (SSPTMA)</u>

33. SSPTMA requested that mother pipes should be included as input source along with billets by modifying Appendix-A of DMI&SP Policy. Since they are making value addition which is more than 15%. In the absence of this they are not able to place quote to the CPSEs which is harming the MSMEs. They further requested that they may be allowed to import since the mother pipes are not readily available

indigenously. They informed that this industry is dependent on Seamless pipes of higher diameter (often referred as mother pipes) as raw material. The bigger pipes are reduced in size to smaller diameter and thicknesses. Hollow seamless pipes are currently produced by only a few companies in India namely M/s Sandvik and Ratnamani Metals & Tubes Limited.

34. M/s Sandvik mainly exports it's production to its group companies in China and East Europe. It supplies to local Industry sparingly and not on continuous basis, and not all grades of stainless steel except for pipes of 73mm diameter.

35. M/s RMTL stated that they have a production capacity of 10,000-12,000 tonnes/annum which can produce mother/hollow pipes through hot extrusion process. As of now they produce mother/hollow pipes upto 73 mm and are under the process of installing facilities to produce even higher sizes (upto 10 inches) by April, 2019. As per M/s RMTL, they are capable of supplying mother/hollow pipes to the members of SSPTMA by being globally competitive in terms of cost, quality and delivery.

36. This matter was discussed in the Seventh meeting of Standing Committee and they had recommended the following :-

    i) The request of SSPTMA for inclusion of mother pipes as input in Appendix- A could be considered if the manufactures show a minimum 15% value addition in their product manufactured by using mother pipes.

    ii) Since below 73 mm diameter is manufactured by M/s Ratnamani and available in the domestic market, so the same should be procured indigenously by the members of SSPTMA rather than the import.

    iii) It is also suggested that after inclusion of mother pipes in Appendix- A of the DMI&SP Policy and mother pipes having diameter more than 73 mm may be allowed for import for a limited period subject to indigenous capacity building.

37. Recommendations at (i) and (iii) were subject to the fact that MECON would go into the reasonability of their request by holding meeting with representatives of SSPTMA and M/s Ratnamani Metals & Tubes Ltd. and make independent recommendation to the Committee.

38. **CMD, MECON informed to Grievance Committee that they have called a meeting of SSPTMA and M/s Ratnamani Metals and Tubes Ltd. (RMTL) on 13th August, 2018 at Ranchi to deliberate on the technical aspects of the issue. He stated that for detailed assessment prior to taking a decision on the issue, SSPTMA has been asked to furnish details of their member companies as per the format, for which they have requested to provide the time of one month. CMD, MECON requested Committee to provide one month time for the submission of report on the above issues.**

39. **The Committee granted one month time to MECON for submitting the final recommendations on the above issue.**

Issues raised by United Drilling Tools Ltd (UDT)

40. UDT has designed API grade seamless steel tubes – connectors / couplings to provide a long chain of casing pipes for drilling purpose in Oil Exploration and Production activities which are required by ONGC, Oil India Ltd., Cairn Energy, Reliance Industries Ltd. (RIL), etc. In view of the above, UDT has requested for inclusion of connectors/couplings along with all types of pipes/tubes in the finished steel list/ output by modifying Appendix-A of DMI&SP Policy. This issue was earlier discussed in the meeting of Standing Committee held on 21/05/2018 and 03/08/2018. The minutes says as under :

    "Standing committee Chair assured to look into the matter in its entirety and accordingly, decided to consider inclusion in Appendix-A of DMI&SP policy. This again will call for policy amendment."

41. The Standing Committee asked ONGC (the Government Agency which is procuring the connectors) to furnish the description and technical specification of connectors/couplings fitted in casing pipes along with prescribed standards, so that the Standing Committee could take the issue forward under clause 4 of the DMI&SP Policy.

42. ONGC has submitted the requisite specification of connectors/couplings to the Ministry which is placed at **Annexure- III**.

43. **The Grievance Committee decided to place the matter before the Standing Committee for inclusion of this item in the Appendix 'A' in the output category along with all types of pipes/tubes etc.**

Issue raised by Essar Steel India Limited

44. Essar Steel india is manufacturer of API Grade pipes and executing orders of PSUs with M/s MSTC Limited as authorized supplier. M/s Essar Steel India Limited informed that CPSEs e.g. GAIL ONGC, HPCL, OIL has permitted them to submission of bids through authorised supplier route. They stated that Indian Oil Corporation Limited has issued a tender no, PLM/ETBPNMTPL/18/16 dated 13th July, 2018 for gas pipeline project for supply of API grade pipes. In the tender, IOCL has not provided for submission of bids through authorised supplier route. They have further stated that IOCL's tender condition is restrictive and not in compliance with DMI&SP Policy.

45. Further, Essar has informed that they have taken up the issue with IOCL and they reverted that "*Your proposal has been reviewed keeping in view of various policies/law/tender conditions, including the insolvency and Bankruptcy"*. Essar has requested to intervene in the matter.

46. Representative of IOCL stated that their tender has been rejected due to their existing policies and conditions on the matter.

47. **Committee opined that IOCL should provide the level playing filed for domestic companies and comply the DMI&SP Policy and bidders can not be rejected due to the ongoing case in NCLT. The Committee requested IOCL to re-look and consider the request of M/s Essar Steel India Ltd.**

Issues raised by Shri Rathi Steels Limited

48. Shri Rathi Steel Limited has informed that the CPWD and MoRTH have created the arbitrary barriers for vendor registrations. MoRTH and CPWD are following their own guidelines regarding the procurement of reinforcing bars and these guidelines are not in lines with the classification of steel. They have requested the Committee to intervene in overcoming this artificial barrier made by MoRTH and CPWD.

49. The Committee referred to the letter issued by the Ministry of Steel dated 14.12.2016 and 07.02.2017 regarding the classification of steel plants in the country wherein it has been considered and reiterated that only criteria for use of steel is quality of steel with BIS certifications, if required be considered. Stipulation that only primary producers will be eligible in any procurement is incorrect. Chairperson stated that Ministry of Railways is complying the above referenced letters and advised that requested CPWD and MoRTH should also comply the same.

50. M/o Steel will seek confirmation from CPWD and MoRTH in this regard in due course.

Issues related to compliance of DMI&SP Policy in Defence Sector

51. Ministry of Defence and its DPSUs/ OFs are major user of iron and steel products in their projects. Data available with Ministry reveals that large scale imports of steel products are taking place in Ministry of Defence.

52. Chairperson requested MoD and its DPSEs/ OFs to provide the list of steel products which are being imported by the MoD and which could be manufactured and made available by the domestic steel industry. The steel requirement forwarded by MoD and their DPSEs will be circulated to steel producers. In this regard a letter has also been written to Department of Defence Production for providing the steel products requirement of Army, Navy, Air force and their CPSEs.

The meeting ended with the vote of thanks to the chair.

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Annexure- I

List of the officers attended the 8th Grievance Committee on DMI&SP Policy, held on 27.09.2018 at 3.00 P.M. under the Chairpersonship of Smt. Rasika Chaube, Additional Secretary, Ministry of Steel

Members of Grievance Committee

1) Smt. Rasika Chaube, Additional Secretary, M/o Steel
2) Shri Atul Bhatt, CMD, MECON Ltd.
3) Dr. A.S. Firoz, ERU, Joint Plant Committee

Ministry of Steel

4) Shri S.K. Mohanty, Under Secretary, M/o Steel
5) Shri Pritam S. Purkayastha, DGM (TTD),M/o Steel
6) Shri S.P. Bist, Section Officer, M/o Steel
7) Shri Amit Singh, IDD, M/o Steel

Representatives from organizations/ Associations

8) Shri Rajiv Srivastava, Director, Ordnance Factory Board, MoD
9) Shri M.P. Singh, Executive Director, RVNL.
10) Shri S.Prakash, OSD, DDP/MoD
11) Shri S.Pushkar, JWM, DDP/MoD
12) Shri P.Goyal, Exe. Engineer(Civil), CPWD
13) Shri Gurmeet Singh, Asst. Engineer(Civil), CPWD
14) Shri Anil Pant, DGM, BEL
15) Shri S.K. Dwivede, Sr.DGM, BEL
16) Shri Janardan Verma, DGM(Cord.), HAL
17) Shri Daya Ram Meena, Asst. Manger, BEML
18) Shri Rajesh Duggal, Dy. RM, HSL
19) Shri G.V. Walimbe, GM, MECON Limited.
20) Shri V.Venugopal, ED, MECON Limited.
21) Shri Vikesh Punj, DGM(Mktg), MECON
22) Shri Ashwini Nagia, ED, ONGC.
23) Shri Vijay Kumar, President (S&M), JSPL
24) Shri Anik Sahay, ED(Comm), SAIL
25) Shri Susanta Das Gupta, JPC

26) Shri S.Mondal, DC, SAIL

27) Shri Dhurv Rathi, Director, Shri Rathi Steel Ltd.

28) Shri A.K. Dhawan, GM, Shri Rathi Steel Ltd.

29) Shri Rameshwer Lal, CGM(M&C), Indian Oil Corp. Ltd.

30) Shri B.K.Mondal, DGM(Material), Indian Oil Corp. Ltd.

31) Shri P Babu, AGM, Midhani India.

32) Shri Prakash Tatia, Director, Welspun

33) Shri T.K. Jha, Chief Manager, HPCL

34) Shri Hemant matreja, Sr. Manager, Maharashtra Seamless Ltd.

35) Shri P.S.Murthy, CGM(Proj.) HPCL, Mumbai

36) Shri R. Ramesh, GM(Proj.), HPCL, Mumbai

37) Shri D.P. Sen, ED(CEP), GAIL (India) Ltd.

38) Shri KRM Rao, CGM(C&A), GAIL (India) Ltd.

39) Shri Vipul Sutaria, Director(Sail), SSTMPA(TUBACEX)

40) Shri P.H. Bhat, Bussiness Head, Ratnamani Metals & Tubes Ltd.

41) Shri A.K. Chaudhary, ED(S&M), EIL

42) Shri Neeraj Mathur, GM (Proj.), EIL

43) Shri O.P. Somani, Head-Marketing, SSTMPA

44) Shri Vipan Bhaskar,M&R, SSTMPTA

45) Shri Pramod Gupta, CMD, United Drilling Tools Ltd.

46) Shri Gyanveer Singh, VP(Mktg), United Drilling Tools Ltd.

47) Shri Suranjan Das Gupta, JGM, Essar Steel India Ltd.

48) Shri Vikram Amin, Exec. Director, Essar Steel India Ltd.

49) Shri Gaurav Sharma, DGM-Sales, Essar Steel India Ltd.

50) Shri Avnish Kumar, GM-Mktg, Jindal Saw Ltd.

51) Shri Pramil Sirohi, Asst. VP, Jindal Saw Ltd.

52) Shri Vijay Kaul, Sr. General Manager Mktg., Ratnamani Metals

Annexure- II

Sl. No.	Material
SS-SEAMLESS	
1	ASTM A312 TP304
2	ASTM A312 TP304H
3	ASTM A312 TP304L
4	ASTM A312 TP316
5	ASTM A312 TP316H
6	ASTM A312 TP316L
7	ASTM A312 TP321
8	ASTM A312 TP321H
9	ASTM A312 TP347H
10	ASTM A312 GR.TP304/304L DUAL
11	ASTM A312 GR.TP316/316L DUAL
SS-WELDED	
1	ASTM A358 TP304
2	ASTM A358 TP304L
3	ASTM A358 TP316
4	ASTM A358 TP316L
5	ASTM A358 TP321
6	ASTM A358 TP347
7	ASTM A358 TP304/304L DUAL
8	ASTM A358 TP316/316L DUAL
DUPLEX SS	
1	UNS32205/31803/32750/32760

ANNEXURE-III

TECHNICAL SPECIFICATIONS

SPECIFICATIONS OF MULTI START THREAD CONNECTOR CASING PIPES

1. Specification of 36" OD x 1.5" W.T casing pipe with Multi Start threads connector

(a) New and Unused SAWL Steel pipes, 36" OD, X-52 grade, 1.5" Wall thickness, Length 40-45 feet (with connector) as per API 5L with New & Unused welded Box and Pin, Multi Start threads connectors.

i) Connectors to be suitable for jetting in deep water wells.

ii) Connector threads to be of multistart type for less than one turn to fully makeup, having visual indication of make-up and with in-built anti-rotation features.

iii) Connectors to have elevator shoulder on box end for direct handling of pipe, elevator shoulder load rating - 125 tons (Minimum).

iv) Connector Maximum OD – to be less than 37".

v) Weld on the pipe body to be ground flush with pipe body for 2 meter below connector's elevator shoulder for latching of the elevator.

vi) Two lifting-eyes of required capacities (sufficiently clear of elevator area near box end of pipe) to be provided at each end for pipe handling.

vii) Pipes are to be supplied along with items (b) and (c) specified below (Quantity as per tender Requirement).

(b) 36" OD, X-52 grade, 1.5" Wall thickness Casing Pipe, welded with only Box end multi start connector and other end beveled for jetting (Length 40-45 feet).

(c) 36" Pin end multi start connector with 3 m pup joint welded to it.

2. Specification of 30" OD X 1" W.T. Casing Pipe with Multi Start threads connector (Pile Drivable for Offshore application)

(a) New and unused ERW/SAWL Steel Drive pipes, 30" OD X 1" Wall thickness, Length 40-45 feet (with connector), X-52 grade as per API-5L, with New & Unused weld-able Box and Pin Multi start thread connectors, suitable to be girth welded with ERW/SAWL Steel Drive pipe, having following features.

i) Connector threads to be of multistart type for less than one turn to fully makeup, having visual indication of make-up and with in-built anti-rotation features.

ii) Connectors should be ideally suited for piling / jetting and with anti-rotation mechanism so designed that it should be re-usable, if required.

iii) Connector should have easy stabbing, self-aligning & no cross threading.

iv) Drift test of finished casing pipes with connector should be carried out with Drift mandrel of 27.30" OD & 36" Length.

v) Pipes are to be supplied along with item (b) specified below (quantity as per tender requirement)

(b) New and unused ERW/SAWL Steel Drive pipes, 30" OD X 1" Wall thickness, Length 40-45 feet (with connector), X-52 grade as per API-5L, with New & Unused weld-able Box and Pin Multi start thread connectors (connector as per (a) above), suitable to be girth welded with ERW/SAWL Steel Drive pipe, pre-coated for splash zone protection.

3 Specification of 20" OD x 0.625" W.T casing pipe with Multi Start threads connector

(a) New and unused ERW/SAWL Steel casing pipes, 20" OD X 0.625" Wall thickness, X-56 Grade, Length 40-45 feet (with connector) as per API-5L, with New & Unused weld-able Box and Pin Multi start threads connectors, suitable to be girth welded with ERW/ SAWL Steel pipe, having following features.

i) Connector threads to be of multistart type for less than one turn to fully makeup. having visual indication of make-up and with in-built anti-rotation features.

ii) Connectors should be ideally suited for piling / jetting and with anti-rotation mechanism so designed that it should be re-usable, if required.

iii) Connector should have easy stabbing. self-aligning & no cross threading.
Drift test of Casing and Connector shall be as per API 5CT.

iv) Pipes are to be supplied along with items (b), (c), (d) and (e) specified below (quantity as per tender requirement).

(b) Cross-over 20" OD X 0.625"W.T., X-56 Grade Pin (connector connection as per (a) above) x Buttress Box complete with suitable thread protectors at both ends, with rust preventive coating.
Cross over Length- 1.5 M (including pin & box connections).

(c) Cross-over 20" OD X 0.625"W.T., X-56 Grade Box (connector connection as per (a) above) x Buttress Pin complete with suitable thread protectors at both ends, with rust preventive coating.
Cross over Length- 1.5 M (including pin & box connections).

(d) 20" OD X 0.625"W.T., X-56 Grade Casing Pipe, welded with only Box end multi start connector and other end beveled for welding of float shoe (pipe length 40-45 feet).

(e) 20" OD Casing Pin end multi start connector with 3 m pup joint welded to it

Note: Casing pipes and corresponding X- overs will be purchased from same source/manufacturer.

4. Specification of 20" OD x 0.438" W.T casing pipe with Multi Start threads connector

(a) New and unused ERW/SAWL Steel casing pipes, 20" OD X 0.438" Wall thickness, X-52 Grade, Length 40-45 feet (with connector) as per API-5L, with New & Unused weld-able Box and Pin Multi start threads connectors, suitable to be girth welded with ERW/SAWL Steel pipe, having following features.

i) Connector threads to be of multistart type for less than one turn to fully makeup, having visual indication of make-up and with in-built anti-rotation features.

ii) Connectors should be ideally suited for piling / jetting and with anti-rotation mechanism so designed that it should be re-usable, if required.

iii) Connector should have easy stabbing, self-aligning & no cross threading.
Drift test of Casing and Connector shall be as per API 5CT.
Pipes are to be supplied along with items (b), (c), (d) and (e) specified below (quantity as per tender requirement).

(b) Cross-over 20" OD X 0.438"W.T., X-52 Grade Pin (connector connection as per (a) above) x Buttress Box complete with suitable thread protectors at both ends, with rust preventive coating.
Cross over Length- 1.5 M (including pin & box connections).

(c) Cross-over 20" OD X 0.438"W.T., X-52 Grade Box (connector connection as per (a) above) x Buttress Pin complete with suitable thread protectors at both ends, with rust preventive coating.
Cross over Length- 1.5 M (including pin & box connections).

(d) 20" OD X 0.438"W.T., X-52 Grade Casing Pipe, welded with only Box end multi start connector and other end beveled for welding of float shoe (pipe length 40-45 feet).

(e) 20" OD Casing Pin end multi start connector with 3 m pup joint welded to it.

Note: Casing pipes and corresponding X- overs will be purchased from same source/ manufacturer.

COMMON SPECIFICATIONS APPLICABLE TO ALL SIZES OF MULTI START THREAD CONNECTOR CASING PIPES

1. Physical properties (Tensile Yield, Bending Yield, Internal Yield, and Collapse) of Multi-start Connectors should be equal or stronger than physical properties of Casing pipes. Connectors should have reliable sealing & fully field proven.
2. Finished casing pipes should be fitted with thread protectors at both ends. Thread protectors should be as per API 5L. Casing pipes should be lift able in safe way to preclude any contact with pipe ends to avoid thread & protector damage.
3. The thread protectors shall be of such design, material and mechanical strength as to protect the thread and pipe from damage under normal storage, handling & transportation conditions. Thread protectors shall cover the full length of the thread on the pipe to exclude water and dirt from the thread. The thread forms in thread protectors should not damage the pipe threads. Protector material shall contain no compounds that are capable of causing corrosion or promoting adherence of the protectors to the threads.
4. Finished casing pipes should be coated with rust preventive coating to with stand Marine transportation.
5. Finished casing pipes should be inspected by X-ray and ultrasonically as per API-5L standard.
6. Mother pipes should be manufactured, inspected & tested as per API-5L.
7. Weld on connectors is to be girth welded as per API-RP 5C6/ API-1104.
8. Bidders should clearly indicate in their quote whether the pipes quoted are ERW (HFI/MFI) or SAWL steel pipes. Purchase order will be placed for quoted type of pipes only.
9. Bidders should clearly indicate in their quote features of connectors such as easy stabbing, self-aligning, number of turn to fully make up, required make-up torque, reliable sealing, in built anti rotation mechanism, re-usable, and field proven.
10. Bidders quoting for casing pipes of SAWL design should ensure that head height of longitudinal seam along the length of mother pipe and also the weld height of connector will have the smooth latch/passes of casing pipe elevator.
11. In case of Girth Weld-on connectors, a certificate from third party inspection agency that the welding is done as per API RP5C6/API- 1104 must be submitted.
12. Bidder should submit inspection certificate of casing pipes carried out by third party inspection agency along with Mill inspection certificate at the time of shipment/dispatch.
13. Type, Make and model of connector should be marked on each pipe and die-stamped suitably on Box and Pin shoulder of each connector for identification.
14. Pipes should carry API monogram. Pipe manufactured in accordance with API SPEC 5L. Pipe markings should include information like name or mark of manufacturer, specified outside diameter, wall thickness, pipe steel grade, PSL designation & type of pipe.

COMMON REQUIREMENTS FOR ALL THE SIZES OF MULTI START THREAD CONNECTOR CASING PIPES

15. The pipes should be supplied with double the number of 'O' rings required as per the connector design, consignee wise and lot wise.
16. Bidder to mention in the bid and provide consignee wise (Four sets for each Asset/Basin) all specific additional equipment/ handling tools required for lowering of the quoted casing pipes. Any associated cost of such items should be inclusive in the cost of casing. These Handling tools for each Asset/Basin should be provided with 1st dispatch. Drive sub is not required for 30" Casing pipes.
17. Delivery tolerance allowed on length is minus (-) 15 M for each item consignee wise and lot wise (except X/Overs & accessories).
18. Initial few jobs, (at least in two wells of each consignee Asset/Basin) of casing lowering should be assisted by manufacturer's technical representative free of cost.
19. Bidder is allowed to supply only one type of Connector for a particular group and it should confirm the Make & Model of the connector while submitting the acceptance of NOA.
20. The pipes should be supplied (consignee wise and Lot wise) with 20% extra number of lock pins for anti-rotation mechanism required as per the connector design.
21. Bidder should supply the X-overs preferably with 1st dispatch.