



भारत सरकार  
GOVERNMENT OF INDIA  
एम-1ए , समुद्री तथा तटीय सर्वेक्षण प्रभाग  
M-1A, MARINE & COASTAL SURVEYS DIVISION  
भारतीय भूवैज्ञानिक सर्वेक्षण/ GEOLOGICAL SURVEY OF INDIA  
मंगलूरु / MANGALURU

**MINUTES OF THE 2<sup>nd</sup> RAC MEETING OF MARINE & COASTAL SURVEY DIVISION FOR FS: 2018-19 HELD ON 27<sup>th</sup> SEPTEMBER, 2018**

<i>No</i>	<i>Minutes</i>
	<p>The 2<sup>nd</sup> RAC meeting of Marine and Coastal Survey Division, Geological Survey of India for FS 2018-19 was held on 27<sup>th</sup> September, 2018 at M&amp;CSD, GSI, Mangaluru, under the Chairmanship of Shri. D.K. Saha, DDG &amp; HOD, M&amp;CSD, GSI as the Convener. All the operational Offices of M&amp;CSD other than Mangaluru had joined the meeting through videoconferencing.</p>
2.0	<p><b>Welcome Address:</b> Shri K.K.Bhat, Director (PSS), M&amp;CSD, Mangaluru welcomed the DDG &amp; HOD, M&amp;CSD, Shri N. Maran, DDG, OPWC-I, Shri A.V.Gangadharan, DDG, OPEC-I, Shri Satish Kumar, Director, OPWC-II, Dr.V.Ambili, Director, OPEC-II and all other participants for 2<sup>nd</sup> RAC Meeting of M&amp;CSD for FS: 2018-19. He conveyed that the technical and administrative matters of every operational office for the period of July to September, 2018 will be reviewed in the meeting. Shri D.K Saha, DDG &amp; HOD during his address welcomed all the officers for the meeting. The Chairman conveyed that this would be an important meeting wherein the technical, administrative, finance and legal matters would be critically reviewed, evaluated and for that requested all the officers to participate in the discussions and give their valuable suggestions.</p>
2.1	<p><b>Review of action taken:</b> Shri K.K. Bhat, Director, gave a brief account of the action taken report on the 1<sup>st</sup> RAC meeting of FS: 2018-19 and informed no action is pending. Then the house approved the minutes of 1<sup>st</sup> RAC of FS: 2018-19 unanimously.</p>
2.2	<p><b>Status of Reports:</b> Shri K.K. Bhat, Director (PSS) informed that 25 reports of M&amp;CSD for the FS: 2017-18 were due for submission to L-I stage of scrutiny by Sep-2018 &amp; circulation by Dec-2018. Further he informed that ADG, PSS, CHQ, denied extension time for circulation of reports pertaining to Cruises SR-034, SR-036 and ST-264. Shri N. Maran, DDG, advised to upload the draft report in Portal by Sept-2018 and incorporate the chemical analysis and other data before circulation. He also said that if required due to delay in getting analysis then extension of circulation time for these three reports, will be requested once again ADG, PSS, CHQ. <b>Action: Director (PSS), M&amp;CSD, Mangaluru</b> Shri G.V. Satyanarayana, Suptdg.Geophysicist, said that time is very less to process the shallow seismic data of Cruises, which were taken place during January to March, 2018 and the circulation time should be extended. In reply Director (PSS) said that CHQ may not grant permission for extending the circulation time and</p>

hence processing work has to be expedited.

Smt. Priya, Sr.Geologist, said that draft reports of Cruises SR-032, SD-276 & SD-282 will be uploaded by Sept, 2018.

Shri Subhankar Dutta, Director (TC) informed that already uploaded the draft reports of four Cruises (SR-039, ST-259, ST-260, ST-261) and SR-031 & SR-038 will be uploaded by Sept, 2018.

Dr V. Ambili, Director (TC) informed that draft reports of five Cruises (SR-037, ST-258, ST-262, ST-263 & Item-112) are ready and will be uploaded by Sept, 2018. Further she said that HM & REE analysis of Cruise ST-264 is not completed, number of sub-samples also more and it will be difficult to circulate the report by Dec, 2018. Shri N. Maran, DDG, suggested to send samples to carry out HM separation utilizing the services of OPWC-II, Cochin Officers if required.

Shri G. Nagendran, Director, replied that the average core length of Cruise ST-264 was 2.5 m. So, more sub-samples were generated & it is difficult to get the slot for REE analysis at CHQ. Shri N Maran, DDG, advised to analyse the REE from selected cores only.

**Action: Director (TC), OPEC-II & OPEC-IV, MCSD**

2.3

**Review of status of current programmes (FS: 2018-19)**

Shri K.K. Bhat, Director (PSS) informed that in FS: 2018-19 the M&CSD would undertake 23 Cruises, 2 Boat Items, 2 RP Items and 3 Service Items. Till date 05 Cruises had been [SR: 047, SR-048, SR-042, SD-289 & ST-270] successfully completed.

Dr V. Ambili, Director (TC), explained the work carried out in **Cruise SR-042**.

<i>Nature of the work</i>	<i>Target</i>	<i>Achievement</i>
Preliminary Investigation (sq.km)	1570	1590
Back scattering (sq.km)	1570	1590
Single beam bathymetry (lkm)	375	2378
SBP (lkm)	375	Instrument repair
Gravity (lkm)	375	2378
CTD/water sampling /SVP stations	02	02
Sediment sampling (nos)	82	94 (G-61, SC-15, VC-2, GC-16)

All the targets were achieved, except SBP as instrument failure. Further she added that the phosphorite occurred in the terrace area only & it is an extension of SR-028 area. Phosphatic materials are occurring in association with sandy clay and clayey fine sand with calcareous materials. Samples were collected from 94 locations and out of which phosphatic material is present in minor amounts at G-56, G-39, G-35, G-19, SC-87, SC-89, G-104, SC-96 and SC-90.

Shri K.K. Bhat, Director (PSS) congratulated the entire team of Cruise SR-042, for completing the Cruise successfully by achieving the assigned targets in full and also for exceeding the target in gravity component.

Shri K.K. Bhat, Director (PSS) briefed the lab works of Cruises SR-048 & SD-289.

Smt. Priya, Sr.Geologist, explained the progress of lab work of Cruise SR-047.

Dr V. Ambili, Director (TC), briefed the lab works of Cruise ST-270.

Director (PSS) briefed the status of samples analysed in chemical lab.

OPWC-I: A total of 1317 samples were analyzed for 7008 determinations.

OPEC-II: A total of 2073 samples were analyzed for 9943 determinations.

	<p><u>OPEC-I</u>: A total of 660 samples were analyzed for 11894 determinations. Shri N. Maran, DDG, advised the Officers of Chemical stream to maintain a uniformity in reporting standard on the number of samples analysed. In reply to that Shri Prajid, Sr.Chemist, said that proper options should be made available in Portal to upload the no. of samples for chemical analysis. Shri Subhankar Dutta, Director, informed that chemical lab of OPEC-I is also analysing both NGCM &amp; Non NGCM samples received from ER, Kolkata.</p> <p style="text-align: center;"><b>Action: OIC, Chemical lab, OPEC-I, OPEC-II &amp; OPWC-I, MCSD</b></p>
2.4	<p><b>Status of activities of different sections of MCSD</b></p> <p><b>A) Geoinformatics:</b></p> <p>Shri Subhankar Dutta, Director, informed that they have received 15 TW Maps from SOI after coastal line correction and the same are in the process of attending. 1<sup>st</sup> draft correction of 15 maps received from Map &amp; Cartography Division for approval of DG, GSI. Eight EEZ maps were approved by DG, GSI for publishing and are ready for uploading in OCBIS portal. Updation of the Marine Geodatabase is under progress and various modifications were done by discussions carried out inside the department.</p> <p>Shri N.Maran, DDG, enquired about the status of marine Geodata base. In reply Shri A.V.Gangadharan, DDG, said that more manpower required at OPEC-I to carry out the marine Geodata base works.</p> <p>Shri Anjaneyulu Katari, Director, Geodata, said that a letter was received from Geodata division, CHQ, regarding VAQ Theme-10. For this a Nodal Officer for OCBIS is required from each operations. Further he added that to be a Nodal Officer-OCBIS, they should have completed 8 years of FS &amp; he requested HOD, MCSD, to nominate Officers to geodata on full time basis, as more work have to be attended under Theme-10. Shri N. Maran, DDG, enquired about the capabilities of Officers to handle works related to networking. He further informed that the officers who had completed 8 years of FS, are required to be sent as Chief Scientist in Cruises.</p> <p>In reply Shri A.V.Gangadharan, DDG, said that MCSD has very less number of Officers who had completed 8 years of FS and more manpower is required under this category.</p> <p>Shri D.K.Saha, DDG &amp; HOD, MCSD, also expressed his difficulties to allot officers to Geodata on full time basis.</p> <p>Shri Anjaneyulu Katari, Director, requested Shri A.V.Gangadharan, DDG, to send one or two officers form ECO-I to CHQ, to monitor the status of uploading of marine reports &amp; preparation of metadata.</p> <p>Dr.N.M. Shareef, Director, suggested to have a detailed meeting with DDG, IT, to resolve all the issues related to OCBIS.</p> <p>Dr A. Anil Kumar, Director, informed that as per the MOU GSI is sharing MBES data to NCAOR, Goa, but MBES data of some Cruise are in poor quality that should be re-processed and submitted again.</p> <p>Shri N. Maran, DDG, instructed to list out the Cruises which has poor MBES data &amp; allot some officers to reprocess the data.</p> <p style="text-align: center;"><b>Action: Director, Geodata &amp; Director (PSS), MCSD</b></p>

2.4	<p><b>b) Vessel Management Cell:</b></p> <p>Dr.N.M. Shareef, Director, VMC, informed that RV Samudra Ratnakar has sailed on 27.9.2018, for Cruise SR-046, off Andaman and he requested all the Chief Scientists, not to deploy any instruments which is not mentioned in the NQT of the Cruise without prior intimation to VMC to avoid the malfunctioning of instruments. Dry dock works were going on for both coastal vessels RVS Kaustubh &amp; Saudhikama at Paradip &amp; Lavgan respectively. Further he added that purchasing of new SBP is in progress &amp; placed an order for new vibrocorer unit &amp; will be delivered soon for RVS Saudhikama.</p> <p>Dr. B. K. Nandi, Superintending Geophysicist pointed out that the battery of the land gravimeter kept onboard RVSR for base station gravity correction is not working due to lack of maintenance of the battery. Dr. N. M. Shareef, Director, VMC replied that a temporary arrangement is done for charging the battery. Dr. Nandi mentioned that the battery should get charge for 72 hrs and then only it will be functional properly, otherwise it will provide incorrect data and requested Director, VMC for necessary action.</p> <p>Shri P. Srinivasa Rao, Sr.Chemist, informed that Shallow Seismic system of RVS Kaustubh is not working &amp; single channel seismic software is also not available. In reply Director, VMC, advised to upgrade the software &amp; contact Results Marine to solve the issues, if possible will temporarily shift Shallow Seismic system of RVS Saudhikama to RVS Kaustubh, to carry out seismic Cruises. Further he added that already all the documents were submitted to Navy, for getting MOD clearance.</p> <p style="text-align: center;"><b>Action: OIC, VMC &amp; Co-ordinator, RVS Kaustubh</b></p>
2.4	<p><b>c) TCS Cell:</b></p> <p>Shri K.K. Bhat, Director, informed that Internal resource generation for the quarter ending September, 2018 is in progress &amp; will be submitted in the first week of October, 2018. A total of 25 unpublished Cruise reports of all marine offices are taken from FSP: 2016-17, pricing of three reports (SD-273, SR-023 and SR-025) are completed &amp; with regard to remaining 22 reports, the work is in progress.</p>
2.5	<p><b>REVIEW ON CGPB/SGPB MEETINGS:</b></p> <p>Shri K.K.Bhat, Director, PSS, informed that minutes of 14<sup>th</sup> CGPB meeting was circulated to all members for suggesting any modifications/corrections and as requested received collaborative proposals from NCCR, Chennai &amp; NIO, Goa.</p> <p>Dr. Saju Varghese, Sr. Geologist represented the GSI, Mangaluru and presented the progress of work done by OPWC-I, Mangaluru in Kerala SGPB meeting &amp; also he highlighted the extensive sand projects carried out along the Kerala coast and the resources found out by the MCSD. Further he had extended support in taking up any projects viz. coastal hazard mapping, especially on the recently flood affected and destroyed beaches / coastal areas. Dr. Saju Varghese also expressed concern on the absence of DGM Kerala representatives during the recently held 14<sup>th</sup> CGPB Meeting of Committee-VI and requested to forward the minutes of the 55<sup>th</sup> SGPB Meeting of Kerala for submission to Central CGPB. The DGM Kerala expressed happiness on the participation of GSI, MCSD and appreciated the sand projects taken up by the MCSD. They conveyed that, shortly they will be sending a letter requesting for the status of sand resources found out by the MCSD.</p> <p>Dr. V. Ambili, Director, informed that Shri G.V. Vidyasagar, DDG &amp; Dr.V.</p>

	<p>Balachandrudu, Sr.Geologist, attended the SGPB meeting of A.P on 06.09.2018 &amp; presented the materials.</p> <p>Shri Subhankar Dutta, Director, informed that no intimation on SGPB is received from the state of West Bengal.</p>
2.6	<p><b>MATTERS REGARDING SUPPORT SYSTEM</b></p> <p><b>a)APMD:</b></p> <p>Shri N. Maran, DDG, advised to submit the indent with detailed specification, list of suppliers and approximate cost, to avoid the delay in processing for procurement. Regarding grinding &amp; centrifuge machine for Cochin, he advised OIC, Stores, to check the old files &amp; process it.</p> <p>Shri Prajid, Sr.Chemist &amp; OIC, APMD, gave a status about all purchases and is as follows.</p> <ol style="list-style-type: none"> <li>1. Microscope - Under vetting process &amp; will be submitted to CPMC.</li> <li>2. Heavy mineral separators - Waiting for bank guarantee.</li> <li>3. TOC- Purchase order issued.</li> <li>4. Iso-dynamic separator- Waiting for the reply from DCOS.</li> <li>5. XRF- Under TEC stage.</li> <li>6. SEM- Under TAC stage</li> <li>7. XRD- Changes in specifications, will submit in CPMC.</li> <li>8. Purchase of PSA, for Kolkata, CPMC approval is required, as it cost more than 35 lakhs.</li> <li>9. Purchase of sieve shaker, for Vizag, will submit a repeat order, CPMC approval is required, as it cost more than 35 lakhs.</li> <li>10. Purchase of IP phones for Cochin, requested to submit indent.</li> <li>11. Batteries for Cochin - Under TEC stage.</li> <li>12. Purchase of MBES unit for Cochin, requested to follow the same procedures for purchase of SBP software for Vizag.</li> </ol> <p style="text-align: right;"><b>Action: OIC, APMD, MCSD &amp; Director TC, Cochin</b></p> <p><b>b)Transport Section:</b></p> <p>Smt Priya, Sr.Geologist, informed that disposal auctions have been initiated by EE Vehicle SR. Once disposal orders received from SR, the other two vehicles shall also be disposed.</p> <p>Shri Subhankar Dutta, Director, informed that divestment of 6 vehicles is under process.</p> <p>Shri Pawan Kumar, Asst. Exe.Eng, informed that requisition for new vehicles was submitted to Chief Engineer, STSS, CHQ, but they advised to outsource the vehicles.</p> <p style="text-align: right;"><b>Action: OIC, Vehicle section, MCSD</b></p> <p><b>c) Estate:</b></p> <p>Shri. Gopakumar.B, Sr.Geologist &amp; OIC, Estate, informed that purchase of generator is under tendering stage &amp; will receive a new generator within a month &amp; regarding the fund requirement for Vizag Office, already submitted a letter to CHQ. In reply Dr V. Ambili, Director, said that due to pending payments, CPWD of Vizag has withdrawn the service of lift &amp; generator and required more fund under electrical maintenance.</p> <p>Shri. Gopakumar.B, Sr.Geologist, informed that with regard to fixing of solar panel</p>

	<p>in Mangaluru office the files are under progress.</p> <p style="text-align: right;"><b>Action: OIC, Estate, MCSD</b></p>
2.7	<p><b>BUDGET MATTERS:</b></p> <p>Director TC/HoO of all operations requested more funds under wages &amp; DTE. Shri N. Maran, DDG, hoped that some funds for MCSD shall be allotted on Dec, 2018.</p> <p>Dr A. Anil Kumar, Director, informed that 99.5 crores were withdrawn from M.E, without intimation &amp; later re-deposited 90 lakhs, no new funds will be allotted under M.E and requested to manage with the fund available.</p> <p>Further he added that as per the order of MOM, DG, GSI advised to withdraw the service of contingent labours and utilize the service of MTS.</p> <p>Shri Rakesh Kumar Tiwari, Geophysicist &amp; OIC, Swatch Bharath, briefed the utilization of funds under Swatch Bharath mission.</p> <p style="text-align: right;"><b>Action: HoO, all operations, MCSD</b></p>
2.8	<p><b>ADMINISTRATIVE MATTERS</b></p> <p>Shri N. Maran, DDG, enquired about the status of circulars received from HRD &amp; International Division, regarding updating of posting details in OCBIS &amp; details for creation of database.</p> <p>In reply Shri R.V.Vairavan, Sr.Geologist, said that OPEC-I &amp; OPEC-II have sent a consolidated list to CHQ &amp; HQ, MCSD; Officers of OPWC-I &amp; OPWC-II have submitted individually to CHQ.</p> <p>Dr A. Anil Kumar, Director, informed that TA bills submitted through Portal was rejected by PAO, Bengaluru, as it is not in correct format &amp; requested all to submit TA bills both in Portal &amp; hardcopy.</p> <p>Shri N. Maran, DDG, advised to send the proper format of TA bills to Geodata, CHQ, for modification.</p> <p style="text-align: right;"><b>Action: Director, Geodata, MCSD</b></p>
2.9	<p><b>STAFF ISSUES:</b></p> <p>Shri K.K. Bhat, Director, insisted for immediate requirement of following staff to run the day to day Office work smoothly:</p> <ol style="list-style-type: none"> <li>1. Assistant-4</li> <li>2. UDC-5</li> <li>3. LDC-1</li> <li>4. Store keeper/store clerk-2</li> <li>5. Stenographer-2</li> <li>6. MTS-5</li> <li>7. STA-2</li> <li>8. JTA-1</li> <li>9. Hindi Translator-1</li> </ol> <p>Smt Priya, Sr.Geologist, said that a total of 20 officers and 6 staffs are working in GSI, Cochin. A request letter to post officials as per the reallocation of ministerial staff has already been sent to HOD. In addition, a request letter is also sent to get allotment of MTS for M&amp;CSD so that they can be recruited locally. There is immediate requirement of following staff to run the day to day Office work smoothly:</p> <ol style="list-style-type: none"> <li>1. U.D.C: 01</li> </ol>

	<p>2. L.D.C: 01 3. Driver: 01 4. Laboratory Assistant: 02 5. MTS: 02 6. Hindi Translator: 01.</p> <p>In reply Shri N. Maran, DDG, said that the office has discussed the issues with DDG, P&amp;A and DDG, HRD, as per availabilities they will post required manpower.</p>
2.10	<p><b>STATUS OF APARs:</b> Dr N.M.Shareef, Director &amp; N.O, APAR, informed that no pendency in APAR &amp; regarding the submission of part APAR, waiting for the role allotment to N.O, APAR, for creation of part APAR in OCBIS.</p>
2.11	<p><b>LEGAL CASES:</b> Shri Subhankar Dutta, Director, briefed about the two cases which are pending at Hon'ble CAT: Calcutta Bench, Kolkata.</p>
2.12	<p><b>STATUS OF GRIEVANCES:</b> Nil</p>
2.13	<p><b>ANY OTHER ITEM BY THE PERMISSION OF CHAIR:</b> Shri Anjaneyulu Katari, Director, OIC, Publication, informed that Office has received a total of 13 abstracts for IGC-2020, from all operations and scrutiny of 7 abstract was completed &amp; remaining are under progress. And also he informed that four (Heavy mineral-2; Sand-1 &amp; phosphorite-1) technical proposals were submitted to ADG, PSS, under VAQ programme. Shri N. Maran, DDG, informed that regarding the purchase of gravity separator, high tension electrostatic separator and magnetic separator indented by OPEC-IV, MCSD, Chennai, will be procured &amp; establish at MCSD, Mangaluru.</p>
2.14	<p><b>REPORT ON RAJBHASA ACTIVITIES:</b> Shri Nitin Kumar, Asst. Geophysicist &amp; OIC, Rajbhasa, informed that Hindi Pakhwada was celebrated in all operational units and requested all the Directors (TC) to send the quarterly report on time. <b>Action: Director (TC), all operations, MCSD</b></p>
	<p><b>Comments from Members:</b> Shri A.V. Gangadharan, DDG, OPEC-I, said that more manpower is required to solve the issues related to OCBIS, regularly submitting the status report of Bhuvisamvad to ER &amp; CHQ. Congratulated all the members for successful completion and healthy discussion during the meeting. Shri N. Maran, DDG, said that more interaction active participation is required from all officers, regarding VAQ programme, majority of the work will be done by outsourcing and regarding OCBIS issues, required more manpower, otherwise achieving the targets of M-III is not possible. Requested all the OICs to maintain registers in all the labs to justify the lab hours of officers. Shri D.K.Saha, DDG &amp; HOD, congratulated all the DDGs, Directors and all Officers for successful completion of the meeting. Regarding the extension of circulation time, will discuss with DDG, PSS and congratulated the entire team of Cruise SR-042, for successful completion of Cruise.</p>
	<p><b>Vote of Thanks:</b> Meeting ended with the vote of thanks by Shri K.K. Bhat, Director, PSS.</p>

### List of Participants:

1	Shri D.K. Saha, DDG & HOD, MCSD, GSI, Mangaluru.
2	Shri N. Maran, DDG, OPWC-I, MCSD, Mangaluru.
3	Shri A.V. Gangadharan, DDG, OPEC-I, MCSD, GSI, Kolkata*
4	Shri K.K. Bhat, Director (PSS), MCSD, GSI, Mangaluru
5	Dr. V.Ambili, Director, TC, OPEC-II, MCSD, GSI, Visakhapatnam*
6	Dr N.M. Shareef, Director, OPWC-I, MCSD, GSI, Mangaluru
7	Shri N.Nagendran, Director, OPWC-I, MCSD, GSI, Mangaluru.
8	Shri Subhankar Dutta, Director, TC, OPEC-I, MCSD, GSI, Kolkata*
9	Dr. A.Anil Kumar, Director, OPWC-I, MCSD, GSI, Mangaluru.
10	Shri Anjaneyulu Katari, Director, OPWC-I, MCSD, GSI, Mangaluru.
11	Smt. Kaberi Banerjee, Director, OPEC-I, MCSD, GSI, Kolkata*
12	Smt N. Vijayadurga, Director, OPEC-II, MCSD, GSI, Visakhapatnam*
13	Shri G.V. Satyanarayana, Suptd. Geophysicist, OPEC-II, MCSD, GSI, Visakhapatnam*
14	Dr. B.K Nandi, Suptd. Geophysicist OPWC-I, MCSD, GSI, Mangaluru
15	Dr. C.V. Gopalan, Suptdg.Geologist, OPEC-I, MCSD, GSI, Kolkata*
16	Smt Priya T.N, Sr.Geologist, OPWC-II, MCSD, GSI, Cochin*
17	Shri. K Prajid, Sr. Chemist & OIC, APMD, OPWC-I, MCSD, GSI, Mangaluru
18	Shri Borkar B N, Sr.Geophy (Inst), OPEC-II, MCSD, GSI, Visakhapatnam*
19	Shri Kailash Singh, Sr.Geologist, OPWC-II, MCSD, GSI, Cochin*
20	Shri R,V.Vairavan, Sr.Geologist, OPWC-I, MCSD, GSI, Mangaluru
21	Shri Gopakumar.B, Sr.Geologist & OIC, Estate, OPWC-I, MCSD, GSI, Mangaluru
22	Smt Resmi S, Sr.Geologist, OPEC-I, MCSD, GSI, Kolkata*
23	Shri P.Srinivasa Rao, Sr.Chemist, OPEC-II, MCSD, GSI, Visakhapatnam*
24	Shri Kishore K, Geologist, OPWC-I, MCSD, GSI, Mangaluru
25	Shri Rakesh Kumar Tiwari, Geophysicist, OPWC-I, MCSD, GSI, Mangaluru
26	Shri Sneh Kumar, Geophysicist, OPEC-I, MCSD, GSI, Kolkata*
27	Shri Pawan Kumar, AEE, OPWC-I, MCSD, GSI, Mangaluru
28	Shri Nitin Kumar, Asst.Geophysicist, OPWC-I, MCSD, GSI, Mangaluru
29	Shri Allah Baksh. S, ACAO, OPWC-I, MCSD, GSI, Mangaluru
30	Shri M.Banik, A.O, OPEC-I, MCSD, GSI, Kolkata*
31	Smt. Kalpana, Stores Officer, MCSD, GSI, Mangaluru

*\* attended meeting through videoconferencing*